QUNDIS

Price list 2024
Devices

Product range








Product range

General terms and conditions

- Our conditions of delivery and assembly apply.
  To be found under **www.qundis.com/terms-conditions**

AES-encryption according to OMS

For QUNDIS manufactured measuring devices we offer **free, device-specific AES encryption** in accordance with OMS. If you are interested, please order this from your QUNDIS contact in the office or field sales team.

Automatic decryption is possible on a tariff basis within the QUNDIS Smart Metering Platform (Q SMP). For this purpose an electronic delivery note will be provided as a csv file by e-mail. After import into the Q SMP, decryption takes place.

With Q app the **local AES decryption** of ALL devices purchased from QUNDIS is possible.

Please note: Encrypted devices are excluded from repurchase.

Our systems. Ideal for every property.

Q AMR provides automated meter reading for buildings of all sizes. The values are transmitted securely and reliably to the service provider using a GSM phone network or broadband cable. The data is available immediately for the invoicing of heating and operating costs as well as the display of statistics for the housing industry and consumption patterns.

Q walk-by operates without the need to enter flats or offices. Instead the meter reading service receives the data simply, fast and securely in the publicly accessible areas of the building. Where installations are not too extensive the data can even be recorded from outside the building.

Q M-Bus is based on the European 'meter bus' industrial standard. The main features of this wired remote data reading system are a high level of flexibility and secure data transmission. It is especially recommended for use in buildings where the wireless transmission of data is less suitable because of the design of the building

All devices in the **Q opto** series have a close-range optical interface (IR). With the infrared interface the data exchange is implemented across short distances by infrared light.

Q basic covers devices which are read individually and directly by visual contact. The measuring results are recorded manually by the reader.

Comparison transmission features

mode switch possible with Q suite 5

parallel transmission of telegrams	**Q walk-by**	**Q AMR**
OMS®	improved transmission performance (typ. 10 dbm)	improved transmission performance (typ. 10 dbm)
C MODE	every 112 seconds 10 hours a day (8.00-18.00 hrs) 365 days a year	every 450 seconds (7,5 minutes) 24 hours a day 365 days a year
read-out requirements:	Q tool + Q app **or** Q log 5.5 + current ACT46	Q node 5.5 + Q gateway 5 **or** Q gateway 5.5 direct

mode switch possible with Q suite 5

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

parallel transmission of telegrams	**Q walk-by**	**Q AMR**
S MODE	every 128 seconds 10 hours a day (8.00-18.00 hrs) monthly: 4 read-out days from the 1st of each month **or:** 48 days after the scheduled day delayed transmission possible (offset) transmission-free days possible	every 4 hours 24 hours a day 7 days a week 365 days a year
read-out requirements:	Q tool + Q app **or** Q log 5.5 + current ACT46	Q node 5.5 + Q gateway 5

1 | Heat cost allocators

Electronic heat cost allocators are radiator-mounted devices capable of measuring its heat output and storing the data acquired. A distinction is made between one-sensor and two-sensor heat cost allocators. One-sensor devices record the radiator temperature and assume a fixed room temperature for consumption calculation. In contrast, two-sensor devices record both the radiator and the room temperatures. Both device types can be used with standard heating systems, with low-temperature heating systems two-sensor devices are mandatory or more suitable. Both device types can display and/or store different values, e.g. the cumulated value at a selectable due date or end-of-the-month values and a fault message in case of an error. There are different systems: Q basic is readout visually and noted manually. With Q opto, the devices have an integrated infrared interface and are readout with a respective device directly at the radiator. Then there are the devices and systems that are readout via radio.

1 | Heat cost allocators

1.1 | Q caloric 5.5 (P2 + AL2)

The heat cost allocators listed below are for installation in new systems (no attachment parts available on the radiator), for standard exchange in systems with existing QUNDIS devices Q caloric 5, 201 and 202 (attachment parts available on the radiator) and for conversion installation in systems with external brands e.g. evaporator (attachment parts partly available).

New installation: suitable installation plate has to be ordered
Conversion installation: suitable installation plate has to be ordered
Standard exchange: installation plate available

EN 834-conform one-sensor or two-sensor heat cost allocator, storing of annual values with checksum, electromechanical contact for detecting device opening (e.g. in the case of manipulation), programmable due date and seal already pre-mounted in the housing, for average temperatures ranges from 55 °C or 35 °C to 110 °C, prepared for the installation of a remote sensor, retrofitting can be done at any time on site.
Standard version:
Due date 31.12., battery warning off / opening detection in plain text / no summer switch-off - yet prepared, urther parameter setting options are possible on request or can be activated directly on site / can be changed using software Q suite

Please note the instructions concerning approval of mixed operation.
Please contact us if you have any questions.

Communication: Radio

- **C-Mode** features see page 1
- switch from C- to S-Mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Q AMR: features usable with a complete Q node 5.5 AMR network or with Q gateway 5.5 direct.
Q walk-by: requirement for readout: Q tool + Q app or Q log 5.5 + current version of ACT46
Radio transmission not compatible in C-Mode with Q caloric 5 for AMR installations

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	K = 60, DD = 31.12.	5F	1	HCA5**0008**B3C0 00000	**61,55**
2-sensor measuring principle + infrared	K = 60, DD = 31.12.	5F	1	HCA5**000T**B3C0 00000	**68,61**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

1 | Heat cost allocators

1.1 | Q caloric 5.5 (P2 + AL2)

Communication: Q opto (infrared-interface)

Metering technology compatible with Q caloric 5, 201S and 202S/K, mixed operation is permitted.

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, DD = 31.12.	5E	1	HCA5**0005**A1A0 00000	**32,11**
2-sensor measuring principle	K = 60, DD = 31.12.	5E	1	HCA5**0005**B3C0 00000	**33,88**

Communication: Q basic (no interface)

Metering technology compatible with Q caloric 5, 201S and 202S/K, mixed operation is permitted.

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, DD = 31.12.	5C	1	HCA5**0002**A1A0 00000	**25,05**
2-sensor measuring principle	K = 60, DD = 31.12.	5C	1	HCA5**0002**B3C0 00000	**26,82**

Further Q caloric parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

1.2 | Q caloric 5.5 (P3 + AL2)

The heat cost allocators listed below are for installation in new systems (no attachment parts available on the radiator), for standard exchange in systems with existing QUNDIS devices Q caloric 5, WHE2, WHE3 and WHE4 (attachment parts available on the radiator) and for conversion installation in systems with external brands e.g. evaporator (attachment parts partly available).

New installation: suitable installation plate has to be ordered
Conversion installation: suitable installation plate has to be ordered
Standard exchange: installation plate available

EN 834-conform one-sensor or two-sensor heat cost allocator, storing of annual values with checksum, electromechanical contact for detecting device opening (e.g. in the case of manipulation), programmable due date and seal already pre-mounted in the housing, for average temperatures ranges from 55 °C or 35 °C to 110 °C, prepared for the installation of a remote sensor, retrofitting can be done at any time on site.
Standard version:
Due date 31.12., battery warning off / opening detection in plain text / no summer switch-off - yet prepared, urther parameter setting options are possible on request or can be activated directly on site / can be changed using software Q suite 5

Please note the instructions concerning approval of mixed operation.
Please contact us if you have any questions.

Communication: Radio

C MODE

- **C-Mode** features see page 1
- switch from C- to S-Mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Q AMR: features usable with a complete Q node 5.5 AMR network or with Q gateway 5.5 direct.
Q walk-by: requirement for readout: Q tool + Q app or Q log 5.5 + current version of ACT46
Radio transmission not compatible in C-Mode with Q caloric 5 for AMR installations

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	K = 60, ST = 31.12.	5F	1	HCA5**0038**B3C0 00000	**61,55**
2-sensor measuring principle + infrared	K = 60, ST = 31.12.	5F	1	HCA5**003T**B3C0 00000	**68,61**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

S MODE

1 | Heat cost allocators

1.2 | Q caloric 5.5 (P3 + AL2)

Communication: Q opto (infrared-interface)

Metering technology compatible with Q caloric 5, mixed operation is permitted.

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, ST = 31.12.	5E	1	HCA5**0035**A1A0 00000	**32,11**
2-sensor measuring principle	K = 60, ST = 31.12.	5E	1	HCA5**0035**B3C0 00000	**33,88**

Communication: Q basic (no interface)

Metering technology compatible with Q caloric 5, mixed operation is permitted.

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, ST = 31.12.	5C	1	HCA5**0032**A1A0 00000	**25,05**
2-sensor measuring principle	K = 60, ST = 31.12.	5C	1	HCA5**0032**B3C0 00000	**26,82**

Further Q caloric parameterising variants available on request. See also article number matrix.

Other products for NEW INSTALLATION - STANDARD REPLACEMENT - REPAIR - CONVERSION (P3)

Further product variants for Q caloric 5.5 new installation or for systems with existing devices / attachment parts of the series **Q caloric 5 (P3), WHE3 and WHE4 with AL3 or AL4** can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in our customer portal.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

1.3 | Q caloric 5.5 - article number matrix

	Block1	Block2	Block3	Block4
Product family				
Heat Cost Allocator Q caloric 5.5	**H C A 5**	x x x x	x x x x	x x x x x
Logo				
QUNDIS (standard)	H C A 5	**0 0** x x	x x x x	x x x x x
Housing version				
P2 (201/202 compatible)	H C A 5	x x **0** x	x x x x	x x x x x
P3 (WHE3 / WHE4 compatible)	H C A 5	x x **3** x	x x x x	x x x x x
Communication interface				
none	H C A 5	x x x **2**	x x x x	x x x x x
infrared	H C A 5	x x x **5**	x x x x	x x x x x
walk-by + AMR (S-Mode)	H C A 5	x x x **6**	x x x x	x x x x x
walk-by + AMR (C-Mode)	H C A 5	x x x **8**	x x x x	x x x x x
infrared + walk-by + AMR (S-Mode)	H C A 5	x x x **N**	x x x x	x x x x x
infrared + walk-by + AMR (C-Mode)	H C A 5	x x x **T**	x x x x	x x x x x
Measuring / calculation algorithm + Metering system				
AL2 - 1-sensor - prepared for summer switch-off (only basic + infrared)	H C A 5	x x x x	**A** x x x	x x x x x
AL2 - 2-sensor - prepared for summer switch-off	H C A 5	x x x x	**B** x x x	x x x x x
AL3 - 2-sensor - prepared for summer switch-off	H C A 5	x x x x	**C** x x x	x x x x x
AL4 - 2-sensor - prepared for summer switch-off	H C A 5	x x x x	**D** x x x	x x x x x
AL3/4 - 1-sensor - prepared for summer switch-off (only basic + infrared)	H C A 5	x x x x	**E** x x x	x x x x x
K-level				
none	H C A 5	x x x x	x **0 0** x	x x x x x
26 (standard for 1-sensor)	H C A 5	x x x x	x **1 A** x	x x x x x
60 (standard for 2-sensor)	H C A 5	x x x x	x **3 C** x	x x x x x
300	H C A 5	x x x x	x **X 3** x	x x x x x
Approval				
EN 834	H C A 5	x x x x	x x x **0**	x x x x x
France	H C A 5	x x x x	x x x **1**	x x x x x
Denmark	H C A 5	x x x x	x x x **2**	x x x x x
Russia	H C A 5	x x x x	x x x **3**	x x x x x
Due date				
31.12. - standard	H C A 5	x x x x	x x x x	**0** x x x x
Special options				
none (standard)	H C A 5	x x x x	x x x x	x **0** x x x
Summer month beginning				
none	H C A 5	x x x x	x x x x	x x **0** x x
Summer month end				
none	H C A 5	x x x x	x x x x	x x x **0** x
Special options				
none	H C A 5	x x x x	x x x x	x x x x **0**
AES-encryption, Security Mode 5 according to EN 13757-7, Security Profile A according to OMS specification (only for C-Mode devices)	H C A 5	x x x **8**	x x x x	x x x x **V**
- or -	H C A 5	x x x **T**	x x x x	x x x x **V**

Further options on request.

2 | Compact heat meters

Heat meters are devices which are mounted in a water cycle, can measure its heat output and save the data recorded. A distinction is made between heat meters and heat meters with cooling option. Heat meters record temperatures in the water circuit's supply and return flow as well as the volume flow rate, and assume a pure heat output of the pipe system (heating operation) for the consumption calculation. In contrast, heat meters with cooling option record both the heat output and the heat input of the pipe system (cooling operation). The data of both operating modes are managed in separate memories. All device types can display and/or store different values, e.g. the cumulated values at a selectable due date or end-of-the-month values and a fault message in case of an error.

Meters without integrated communication can be retrofitted with communication add-on modules an integrated into the Q AMR, Q walk-by or Q M-Bus system. Module variants can be found from chapter 6 onwards.

Image similar

2 | Compact heat meters - integrated radio interface

2.1 | Q heat 5.5 R - Screw-type meters (QDS)

The heat meters listed below have been designed for installation in systems where an installation section is available with the dimensions listed next to the meter, and the meter is screwed to the pipework system by means of two union nuts. All suitable meters are marked with "QDS".

MID-conform compact heat meter with a full-metal measurement unit and integrated infrared interface as well as **integrated radio interface** for integration in a Q walk-by or Q AMR system.

- Measuring cycle: 36 seconds (static)
- Switch of display unit (standard: kWh without decimal place)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 3
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

Image similar

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Radio

C MODE

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5I	1	HMR5000G0010 00210	**354,01**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5I	1	HMR5000G1010 00210	**354,01**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit removable	G 1" x 130 mm	5I	1	HMR5000G2010 00210	**365,62**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

2 | Compact heat meters

2.2 | Q heat 5.5 - Screw-type meters (QDS)

The heat meters listed below have been designed for installation in systems where an installation section is available with the dimensions listed next to the meter, and the meter is screwed to the pipework system by means of two union nuts. All suitable meters are marked with "QDS".

MID-conform compact heat meter with integrated infrared interface, inductive scanning process, current value as well as annual value and monthly values with checksum, detection of direction of rotation, programmable due date as well as display and storage of the maximum values, **prepared for installation of external communication modules for integration in a Q walk-by, Q AMR or Q M-Bus system (see chapter 6 onwards)**, retrofitting on site is possible at any time, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 10 years**

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Image similar

Communication: Q opto (infrared-interface)

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 3/4" x 110 mm	5H	1	HMC5**0001**0010 00200	**272,76**
Calculator unit removable	G 3/4" x 110 mm	5I	1	HMR5**0001**0010 00200	**307,59**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 3/4" x 110 mm	5H	1	HMC5**0001**1010 00200	**272,76**
Calculator unit removable	G 3/4" x 110 mm	5I	1	HMR5**0001**1010 00200	**307,59**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 1" x 130 mm	5H	1	HMC5**0001**2010 00200	**284,37**
Calculator unit removable	G 1" x 130 mm	5I	1	HMR5**0001**2010 00200	**319,19**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

2.3 | Q heat 5.5 - Screw-type meters (QDS)

The heat meters listed below have been designed for installation in systems where an installation section is available with the dimensions listed next to the meter, and the meter is screwed to the pipework system by means of two union nuts.

MID-conform compact heat meter with integrated M-Bus and Impulse-IN interface
inductive scanning process, display of current and cumulative values, check number and many service and operating parameters, storage of the maximum values, **two additional impulse inputs** for the connection of up to two water meters with impulse output, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 10 years**

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.


Image similar

Communication: Q M-Bus / Impuls-IN

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5S	1	HMR5**000D**0010 00200	**342,41**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5S	1	HMR5**000D**1010 00200	**342,41**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit removable	G 1" x 130 mm	5S	1	HMR5**000D**2010 00200	**354,01**

Note: Article numbers refer to the English language version and 10-year battery.

Note: It is not possible to fit heat meters featuring integrated communication interfaces with external communication modules.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.3 | Q heat 5.5 - Screw-type meters (QDS)

The heat meters listed below have been designed for installation in systems where an installation section is available with the dimensions listed next to the meter, and the meter is screwed to the pipework system by means of two union nuts.

MID-conform compact heat meter with integrated M-Bus
inductive scanning process, display of current and cumulative values, check number and many service and operating parameters, storage of the maximum values, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 10 years**

Image similar

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Q M-Bus

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5S	1	HMR5**000C**0010 00200	**330,80**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5S	1	HMR5**000C**1010 00200	**330,80**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit removable	G 1" x 130 mm	5S	1	HMR5**000C**2010 00200	**342,41**

Note: Article numbers refer to the English language version and 10-year battery.

Note: It is not possible to fit heat meters featuring integrated communication interfaces with external communication modules.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2 | Compact heat meters - integrated radio interface

2.4 | Q heat 5.5 R - Measuring capsule ISTA-compatible (IST)

The heat meters listed below have been designed for installation in systems where an installation section is available with a ISTA-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "IST".

MID-conform compact heat meter with integrated infrared interface as well as **integrated radio interface** for integration in a Q walk-by or Q AMR system.

- Measuring cycle: 36 seconds (static)
- Switch of display unit (standard: kWh without decimal place)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 3
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

Image similar

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Radio

C MODE | Q walk-by | Q AMR

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 2"	5L	1	HMR5000G4010 00210	**365,62**
Nominal flow 1.5 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 2"	5L	1	HMR5000G5010 00210	**365,62**
Nominal flow 2.5 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 2"	5L	1	HMR5000G6010 00210	**377,23**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.5 | Q heat 5.5 - Measuring capsule ISTA-compatible (IST)

The heat meters listed below have been designed for installation in systems where an installation section is available with a ISTA-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "IST".

MID-conform compact heat meter with integrated infrared interface, inductive scanning process, current value as well as annual value and monthly values with checksum, detection of direction of rotation, programmable due date as well as display and storage of the maximum values, prepared for installation of external communication modules for integration in a Q walk-by, Q AMR or Q M-Bus system (see chapter 6 onwards), retrofitting on site is possible at any time, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 10 years**

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Image similar

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 2"	5J	1	HMC5**00014**010 00200	**284,37**
Calculator unit removable	G 2"	5L	1	HMR5**00014**010 00200	**319,19**
Nominal flow 1.5 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 2"	5J	1	HMC5**00015**010 00200	**284,37**
Calculator unit removable	G 2"	5L	1	HMR5**00015**010 00200	**319,19**
Nominal flow 2.5 m³/h, Temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit cannot be removed	G 2"	5J	1	HMC5**00016**010 00200	**295,98**
Calculator unit removable	G 2"	5L	1	HMR5**00016**010 00200	**330,80**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2 |Compact heat meters - integrated radio interface

2.6 | Q heat 5.5 R - Measuring capsule ALLMESS-compatible (AMS)

The heat meters listed below have been designed for installation in systems where an installation section is available with a ALLMESS-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "AMS".

MID-conform compact heat meter with integrated infrared interface as well as **integrated radio interface** for integration in a Q walk-by or Q AMR system.

- Measuring cycle: 36 seconds (static)
- Switch of display unit (standard: kWh without decimal place)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 3
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Radio

C MODE | Q walk-by | Q AMR

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 1.5 m³/h, Temp. sensor 6.0 x 60 mm 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M77 x 1,5	5K	1	HMR5000G8810 00210	**371,42**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2 | Compact heat meters

2.7 | Q heat 5 - Measuring capsule ALLMESS-compatible (AMS)

The heat meters listed below have been designed for installation in systems where an installation section is available with a ALLMESS-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "AMS".

MID-conform compact heat meter with integrated infrared interface, inductive scanning process, current value as well as annual value and monthly values with checksum, detection of direction of rotation, programmable due date as well as display and storage of the maximum values, prepared for installation of external communication modules for integration in a Q walk-by, Q AMR or Q M-Bus system (see chapter 6 onwards), retrofitting on site is possible at any time, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 6 years**

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 1.5 m³/h, Temp. sensor 6.0 x 60 mm 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M77 x 1,5	5L	1	HMR5**0001**8800 00000	**319,19**

Note: !!! All article numbers refer to the German language version and 6-year battery !!!
Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.8 | Q heat 5.5 R - Measuring capsule TECHEM-compatible (TEC)

The heat meters listed below have been designed for installation in systems where an installation section is available with a TECHEM-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "TEC".

MID-conform compact heat meter with integrated infrared interface as well as **integrated radio interface** for integration in a Q walk-by or Q AMR system.

- Measuring cycle: 36 seconds (static)
- Switch of display unit (standard: kWh without decimal place)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 3
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

Image similar

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Radio

C MODE | Q walk-by | Q AMR

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 1.5 m³/h, Temp. sensor 5.2 x 45 mm, 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M62 x 2	5K	1	HMR5000GB110 00210	**371,42**
Nominal flow 2.5 m³/h, Temp. sensor 5.2 x 45 mm, 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M62 x 2	5K	1	HMR5000GC110 00210	**383,03**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2 | Compact heat meters

2.9 | Q heat 5.5 - Measuring capsule TECHEM-compatible (TEC)

The heat meters listed below have been designed for installation in systems where an installation section is available with a TECHEM-compatible single-pipe connection piece (EAT, EAS). All suitable meters are marked with "TEC".

MID-conform compact heat meter with integrated infrared interface, inductive scanning process, current value as well as annual value and monthly values with checksum, detection of direction of rotation, programmable due date as well as display and storage of the maximum values, prepared for installation of external communication modules for integration in a Q walk-by, Q AMR or Q M-Bus system (see chapter 6 onwards), retrofitting on site is possible at any time, Parameter setting via the operating keys or the software Q suite 5

- Measuring cycle: 36 seconds
- Display unit: kWh
- Installation: Return flow
- **Battery: 6 years**

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Image similar

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 1.5 m³/h, Temp. sensor 5.2 x 45 mm, 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M62 x 2	5K	1	HMR5**0001**B100 00000	**319,19**
Nominal flow 2.5 m³/h, Temp. sensor 5.2 x 45 mm, 1.5 m sensor cable for direct or immersion sleeve measurement					
Calculator unit removable	M62 x 2	5K	1	HMR5**0001**C100 00000	**330,80**

Note: !!! All article numbers refer to the German language version and 6-year battery !!!
Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.10 | Q heat 5.5 R US - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with"US".

MID-conform compact Ultrasonic heat meter with a full-metal measurement unit and integrated infrared interface as well as **integrated radio interface** for integration in a **Q walk-by** or **Q AMR system**.

- Heat meter and heat-/cold meter available
- Measuring cycle: 12 seconds (static)
- Switch of display unit (standard: kWh without decimal place)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 2 or 3 (depending on variant)
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Image similar

HEAT METERS

Communication: Radio

C MODE

Product description			Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 3	G 3/4" x 110 mm	5M	1	HMR500AG0080 00210	**377,23**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 3	G 3/4" x 110 mm	5M	1	HMR500AG0180 00210	**377,23**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 3/4" x 110 mm	5M	1	HMR500AG1085 00210	**377,23**
Calculator unit removable	Cl. 3	G 1" x 130 mm	5M	1	HMR500AG3080 00210	**388,83**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 3/4" x 110 mm	5M	1	HMR500AG1185 00210	**377,23**
Calculator unit removable	Cl. 3	G 1" x 130 mm	5M	1	HMR500AG3180 00210	**388,83**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 1" x 130 mm	5M	1	HMR500AG2085 00210	**388,83**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 1" x 130 mm	5M	1	HMR500AG2185 00210	**388,83**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat 5.5 R US parameterising variants available on request. See also article number matrix.

2.10 | Q heat 5.5 R US - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with"US".

MID-conform compact Ultrasonic heat meter with a full-metal measurement unit and integrated infrared interface as well as **integrated radio interface** for integration in a **Q walk-by** or **Q AMR** system.

- Heat meter and heat-/cold meter available
- Approved medium temperature up to 105°C (flow sensor up to 90°C)
- Measuring cycle: 12 seconds (static)
- Switch of display unit (standard: MWh with 3 decimal places)
- Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 10 years**
- Due day: 31.12.
- Measuring accuracy class: 2
- Q AMR or Q AMR extended telegrams optionally available
- AES-encryption optionally available

Image similar

SWITCH FROM C-TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

HEAT METERS

Communication: Radio

C MODE

walk-by AMR

Product description			Group	Qty.	Part no.	Price (€)
Nominal flow 3,5 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4085 00250	**450,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4A85 00250	**450,22**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5085 00250	**464,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5A85 00250	**464,22**
Nominal flow 3,5 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4185 00250	**450,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4B85 00250	**450,22**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5185 00250	**464,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5B85 00250	**464,22**
Nominal flow 3,5 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4G85 00250	**467,63**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5G85 00250	**481,63**
Nominal flow 3,5 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**4885 00250	**450,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**5885 00250	**464,22**

2 | Compact heat meters - integrated radio interface

Q heat

2.10 | Q heat 5.5 R US - Screw-type meters - Ultrasonic (US)

HEAT METERS

C MODE

Communication: Radio

Q walk-by Q AMR

Product description			Group	Qty.	Part no.	Price (€)
Nominal flow 6,0 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6085 00250	**667,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6A85 00250	**667,22**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7085 00250	**699,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7A85 00250	**699,22**
Nominal flow 6,0 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6185 00250	**667,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6B85 00250	**667,22**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7185 00250	**699,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7B85 00250	**699,22**
Nominal flow 6,0 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6G85 00250	**684,63**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7G85 00250	**716,63**
Nominal flow 6,0 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00AG**6885 00250	**667,22**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00AG**7885 00250	**699,22**
Nominal flow 10,0 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00AG**8A85 00250	**857,22**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00AG**9A85 00250	**886,22**
Nominal flow 10,0 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00AG**8B85 00250	**857,22**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00AG**9B85 00250	**886,22**
Nominal flow 10,0 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN40	G 2" x 200 mm	5O	1	HBR5**00AG**8G85 00250	**874,63**
Calculator unit removable	DN40	G 2" x 300 mm	5O	1	HBR5**00AG**9G85 00250	**903,63**
Nominal flow 10,0 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00AG**8885 00250	**857,22**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00AG**9885 00250	**886,22**

*Supply flow and return flow temperature sensors are NOT integrated in the flow sensor and must be mounted separately.

2 | Compact heat meters - integrated radio interface

Q heat

2.10 | Q heat 5.5 R US - Screw-type meters - Ultrasonic (US)

HEAT METERS WITH COOLING OPTION

C MODE

Communication: Radio

Q walk-by Q AMR

Product description			Group	Qty.	Part no.	Price (€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 3	G 3/4" x 110 mm	5M	1	HMR5**00BG**0080 00210	**417,85**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 3	G 3/4" x 110 mm	5M	1	HMR5**00BG**0180 00210	**417,85**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 3/4" x 110 mm	5M	1	HMR5**00BG**1085 00210	**417,85**
Calculator unit removable	Cl. 3	G 1" x 130 mm	5M	1	HMR5**00BG**3080 00210	**429,46**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 3/4" x 110 mm	5M	1	HMR5**00BG**1185 00210	**417,85**
Calculator unit removable	Cl. 3	G 1" x 130 mm	5M	1	HMR5**00BG**3180 00210	**429,46**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 1" x 130 mm	5M	1	HMR5**00BG**2085 00210	**429,46**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	Cl. 2	G 1" x 130 mm	5M	1	HMR5**00BG**2185 00210	**429,46**
Nominal flow 3,5 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4085 00250	**490,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4A85 00250	**490,85**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5085 00250	**504,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5A85 00250	**504,85**
Nominal flow 3,5 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4185 00250	**490,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4B85 00250	**490,85**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5185 00250	**504,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5B85 00250	**504,85**
Nominal flow 3,5 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4G85 00250	**508,26**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5G85 00250	**522,26**
Nominal flow 3,5 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**4885 00250	**490,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**5885 00250	**504,85**

2 | Compact heat meters - integrated radio interface

Q heat

2.10 | Q heat 5.5 R US - Screw-type meters - Ultrasonic (US)

HEAT METERS WITH COOLING OPTION

C MODE

Communication: Radio

Q walk-by Q AMR

Product description			Group	Qty.	Part no.	Price (€)
Nominal flow 6,0 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6085 00250	**707,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6A85 00250	**707,85**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7085 00250	**739,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7A85 00250	**739,85**
Nominal flow 6,0 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6185 00250	**707,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6B85 00250	**707,85**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7185 00250	**739,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7B85 00250	**739,85**
Nominal flow 6,0 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6G85 00250	**725,26**
Calculator unit removable	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7G85 00250	**757,26**
Nominal flow 6,0 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 150 mm	5O	1	HBR5**00BG**6885 00250	**707,85**
Calc. unit remov. || TS symmetric*	DN25	G 1 1/4" x 260 mm	5O	1	HBR5**00BG**7885 00250	**739,85**
Nominal flow 10,0 m³/h, temperature sensor 5,0 x 45 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00BG**8A85 00250	**897,85**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00BG**9A85 00250	**926,85**
Nominal flow 10,0 m³/h, temperature sensor 5,2 x 45 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00BG**8B85 00250	**897,85**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00BG**9B85 00250	**926,85**
Nominal flow 10,0 m³/h, temperature sensor AGFW 38 mm for direct measurement						
Calculator unit removable	DN40	G 2" x 200 mm	5O	1	HBR5**00BG**8G85 00250	**915,26**
Calculator unit removable	DN40	G 2" x 300 mm	5O	1	HBR5**00BG**9G85 00250	**944,26**
Nominal flow 10,0 m³/h, temperature sensor 6,0 x 60 mm for direct or immersion sleeve measurement						
Calc. unit remov. || TS symmetric*	DN40	G 2" x 200 mm	5O	1	HBR5**00BG**8885 00250	**897,85**
Calc. unit remov. || TS symmetric*	DN40	G 2" x 300 mm	5O	1	HBR5**00BG**9885 00250	**926,85**

*Supply flow and return flow temperature sensors are NOT integrated in the flow sensor and must be mounted separately.

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat 5.5 R US parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.11 | Q heat 5 - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with"US".

MID-conform compact Ultrasonic heat meter with integrated infrared interface, current value as well as annual value and monthly values with checksum, detection of direction of rotation, programmable due date as well as display and storage of the maximum values, prepared for installation of external communication modules for integration in a Q walk-by, Q AMR or Q M-Bus system (see chapter 6 onwards), retrofitting on site is possible at any time, Parameter setting via the operating keys or the software Q suite 5

- **Measuring cycle: 12 seconds**
- Display unit: kWh
- Installation: Return flow
- **Battery: 10 years**

Image similar

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price (€)
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMR5**00A1**1080 00200	**330,80**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMR5**00A1**1180 00200	**330,80**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit removable	G 1" x 130 mm	5M	1	HMR5**00A1**2080 00200	**342,41**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mmfor direct or immersion sleeve measurement					
Calculator unit removable	G 1" x 130 mm	5M	1	HMR5**00A1**2180 00200	**342,41**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.12 | Q heat - article number matrix

Product family	*Block1*	*Block2*	*Block3*	*Block4*	*Basic Price*
Heat Meter Q heat 5 / 5.5 - compact	**H M C 5**	x x x x	x x x x	x x x x x	266,96 €
Heat Meter Q heat 5 / 5.5 - removable (nominal flow ≤ 2,5)	**H M R 5**	x x x x	x x x x	x x x x x	301,78 €
Heat Meter Q heat 5.5 - removable (nominal flow ≥ 3,5)	**H B R 5**	x x x x	x x x x	x x x x x	301,78 €

Logo	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
QUNDIS (standard)	H x x 5	**0 0** x x	x x x x	x x x x x	- €

Version	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Heat metering impeller wheel (standard)	H M x 5	x x **0** x	x x x x	x x x x x	- €
+ cooling option	H M x 5	x x **1** x	x x x x	x x x x x	40,62 €
+ solar metering (not MID-compliant)	H M x 5	x x **2** x	x x x x	x x x x x	87,05 €
+ cooling option + solar metering (not MID-compliant)	H M x 5	x x **3** x	x x x x	x x x x x	127,68 €
Heat metering ultrasonic (only removable)	H x R 5	x x **A** x	x x x x	x x x x x	23,21 €
+ cooling option (only removable)	H x R 5	x x **B** x	x x x x	x x x x x	40,63 €

Communication interface	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
opto (infrared)	H M x 5	x x x **1**	x x x x	x x x x x	- €
infrared + M-Bus + Impuls in (1 liters per pulse / filter off)	H M R 5	x x x **5**	x x x x	x x x x x	34,82 €
infrared + M-Bus	H M R 5	x x x **C**	x x x x	x x x x x	23,21 €
infrared + M-Bus + Impuls in (10 liters per pulse / filter off)	H M R 5	x x x **D**	x x x x	x x x x x	34,82 €
infrared + AMR extended (C-Mode) - radio integrated	H x R 5	x x x **E**	x x x x	x x x x x	46,43 €
infrared + walk-by + AMR (C-Mode) - radio integrated	H x R 5	x x x **G**	x x x x	x x x x x	46,43 €
infrared + AMR (C-Mode) - radio integrated	H x R 5	x x x **I**	x x x x	x x x x x	46,43 €

Flow sensor	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Screwed connection - 0.6 m³/h - 110 mm - return flow installation	H M x 5	x x x x	**0** x x x	x x x x x	- €
Screwed connection - 1.5 m³/h - 110 mm - return flow installation	H M x 5	x x x x	**1** x x x	x x x x x	- €
Screwed connection - 2.5 m³/h - 130 mm - return flow installation	H M x 5	x x x x	**2** x x x	x x x x x	11,61 €
Screwed connection - 1.5 m³/h - 130 mm - return flow installation	H M R 5	x x x x	**3** x x x	x x x x x	11,61 €
Screwed connection - 3,5 m³/h - 150 mm - return flow installation (only US)	H **B** R 5	x x x x	**4** x x x	x x x x x	73,00 €
Screwed connection - 3,5 m³/h - 260 mm - return flow installation (only US)	H **B** R 5	x x x x	**5** x x x	x x x x x	87,00 €
Screwed connection - 6,0 m³/h - 150 mm - return flow installation (only US)	H **B** R 5	x x x x	**6** x x x	x x x x x	290,00 €
Screwed connection - 6,0 m³/h - 260 mm - return flow installation (only US)	H **B** R 5	x x x x	**7** x x x	x x x x x	322,00 €
Screwed connection - 10,0 m³/h - 200 mm - return flow installation (only US)	H **B** R 5	x x x x	**8** x x x	x x x x x	480,00 €
Screwed connection - 10,0 m³/h - 300 mm - return flow installation (only US)	H **B** R 5	x x x x	**9** x x x	x x x x x	509,00 €
Capsule (IST) - 0.6 m³/h - G2 - return flow installation	H M x 5	x x x x	**4** x x x	x x x x x	11,61 €
Capsule (IST) - 1.5 m³/h - G2 - return flow installation	H M x 5	x x x x	**5** x x x	x x x x x	11,61 €
Capsule (IST) - 2.5 m³/h - G2 - return flow installation	H M x 5	x x x x	**6** x x x	x x x x x	23,21 €
Capsule (AMS) - 1.5 m³/h - M77x1,5 - return flow installation (only removable)	H M R 5	x x x x	**8** x x x	x x x x x	17,41 €
Capsule (TEC) - 1.5 m³/h - M62 x 2 - return flow install. (only removable)	H M R 5	x x x x	**B** x x x	x x x x x	17,41 €
Capsule (TEC) - 2.5 m³/h - M62 x 2 - return flow install. (only removable)	H M R 5	x x x x	**C** x x x	x x x x x	29,02 €
Screwed connection - 1.5 m³/h - 80 mm - return flow installation	H M x 5	x x x x	**H** x x x	x x x x x	- €
Screwed connection - 0.6 m³/h - 110 mm - supply flow installation	H M x 5	x x x x	**J** x x x	x x x x x	52,23 €
Screwed connection - 1.5 m³/h - 110 mm - supply flow installation	H M x 5	x x x x	**K** x x x	x x x x x	52,23 €
Screwed connection - 2.5 m³/h - 130 mm - supply flow installation	H M x 5	x x x x	**L** x x x	x x x x x	63,84 €
Screwed connection - 1.5 m³/h - 130 mm - supply flow installation	H M R 5	x x x x	**Z** x x x	x x x x x	63,84 €
Screwed connection - 3,5 m³/h - 150 mm - supply flow installation (only US)	H **B** R 5	x x x x	**M** x x x	x x x x x	125,23 €
Screwed connection - 3,5 m³/h - 260 mm - supply flow installation (only US)	H **B** R 5	x x x x	**N** x x x	x x x x x	139,23 €
Screwed connection - 6,0 m³/h - 150 mm - supply flow installation (only US)	H **B** R 5	x x x x	**O** x x x	x x x x x	342,23 €
Screwed connection - 6,0 m³/h - 260 mm - supply flow installation (only US)	H **B** R 5	x x x x	**P** x x x	x x x x x	374,23 €
Screwed connection - 10,0 m³/h - 200 mm - supply flow installation (only US)	H **B** R 5	x x x x	**Q** x x x	x x x x x	532,23 €
Screwed connection - 10,0 m³/h - 300 mm - supply flow installation (only US)	H **B** R 5	x x x x	**R** x x x	x x x x x	561,23 €

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2.12 | Q heat - article number matrix

Flow sensor	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Capsule (IST) - 0.6 m³/h - G2 - supply flow installation	H M x 5	x x x x	**M** x x x	x x x x x x	63,84 €
Capsule (IST) - 1.5 m³/h - G2 - supply flow installation	H M x 5	x x x x	**N** x x x	x x x x x x	63,84 €
Capsule (IST) - 2.5 m³/h - G2 - supply flow installation	H M x 5	x x x x	**O** x x x	x x x x x x	75,45 €
Capsule (AMS) - 1.5 m³/h - M77x1,5 - supply flow installation (only removable)	H M R 5	x x x x	**Q** x x x	x x x x x x	81,25 €
Capsule (TEC) - 1.5 m³/h - M62 x 2 - supply flow install. (only removable)	H M R 5	x x x x	**T** x x x	x x x x x x	81,25 €
Capsule (TEC) - 2.5 m³/h - M62 x 2 - supply flow install. (only removable)	H M R 5	x x x x	**U** x x x	x x x x x x	92,86 €
Screwed connection - 1.5 m³/h - 80 mm - supply flow installation	H M x 5	x x x x	**Y** x x x	x x x x x x	52,23 €

Temperature sensor	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
5,0 x 45 mm - 1,5 m	H x x 5	x x x x	x **0** x x	x x x x x x	- €
5,2 x 45 mm - 1,5 m	H x x 5	x x x x	x **1** x x	x x x x x x	- €
6,0 x 50 mm - 1,5 m	H M x 5	x x x x	x **2** x x	x x x x x x	17,41 €
AGFW - 1,5 m	H M x 5	x x x x	x **3** x x	x x x x x x	17,41 €
5,0 x 45 mm - 3,0 m	H x x 5	x x x x	x **4** x x	x x x x x x	17,41 €
5,2 x 45 mm - 3,0 m	H x x 5	x x x x	x **5** x x	x x x x x x	17,41 €
6,0 x 50 mm - 3,0 m	H M x 5	x x x x	x **6** x x	x x x x x x	34,82 €
AGFW - 3,0 m	H M x 5	x x x x	x **7** x x	x x x x x x	34,82 €
6,0 x 60 mm - 1,5 m symmetric (only AMS capsule and only US ≥ Qp.3.5)	H x R 5	x x x x	x **8** x x	x x x x x x	- €
6,0 x 60 mm - 3,0 m symmetric (only AMS capsule and only US ≥ Qp.3.5)	H x R 5	x x x x	x **9** x x	x x x x x x	17,41 €
5,0 x 45 mm - 1,5 m symmetric (only US ≥ Qp.3.5)	H B R 5	x x x x	x **A** x x	x x x x x x	- €
5,2 x 45 mm - 1,5 m symmetric (only US ≥ Qp.3.5)	H B R 5	x x x x	x **B** x x	x x x x x x	- €
5,0 x 45 mm - 3,0 m symmetric (only US ≥ Qp.3.5)	H B R 5	x x x x	x **C** x x	x x x x x x	17,41 €
5,2 x 45 mm - 3,0 m symmetric (only US ≥ Qp.3.5)	H B R 5	x x x x	x **D** x x	x x x x x x	17,41 €
AGFW 38 mm - 1,5 m (only US ≥ Qp.3.5)	H B R 5	x x x x	x **G** x x	x x x x x x	17,41 €
AGFW 38 mm - 3,0 m (only US ≥ Qp.3.5)	H B R 5	x x x x	x **H** x x	x x x x x x	34,82 €

Power supply + measuring cycle	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Battery 6 years - 36 seconds	H M x 5	x x x x	x x **0** x	x x x x x x	- €
Battery 10 years - 36 seconds	H M x 5	x x x x	x x **1** x	x x x x x x	5,80 €
Battery 7 years - 8 seconds (only Q heat 5.5 R)	H M x 5	x x x x	x x **2** x	x x x x x x	5,80 €
Battery 6 years - 6 seconds	H M x 5	x x x x	x x **4** x	x x x x x x	5,80 €
Battery 10 years - 12 seconds (only US)	H x R 5	x x x x	x x **8** x	x x x x x x	5,80 €
Battery 6 years - 4 seconds (7 years Q heat 5.5 US R)	H x R 5	x x x x	x x **9** x	x x x x x x	- €

Approval + medium	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Heat MID/Class 3, without cold, water	H M x 5	x x x x	x x x **0**	x x x x x x	- €
Heat MID/Class 2, without cold, water	H x R 5	x x x x	x x x **5**	x x x x x x	- €
without - (heating) water + Glythermin P44 (only impeller wheel)	H M x 5	x x x x	x x x **A**	x x x x x x	- €
without - (heating) water + Tyfocor L (only impeller wheel)	H M x 5	x x x x	x x x **B**	x x x x x x	- €
without - (heating) water + Tyfocor N (only impeller wheel)	H M x 5	x x x x	x x x **C**	x x x x x x	- €
without - (heating) water + Antifrogen L (only impeller wheel)	H M x 5	x x x x	x x x **D**	x x x x x x	- €
without - (heating) water + Antifrogen N (only impeller wheel)	H M x 5	x x x x	x x x **E**	x x x x x x	- €
without - (heating) water + Dowcal 20 (only impeller wheel)	H M x 5	x x x x	x x x **F**	x x x x x x	- €
without - (heating) water + Gelbin DC 924 L (only impeller wheel)	H M x 5	x x x x	x x x **G**	x x x x x x	- €
without - (heating) water + Tyfocor LS (only impeller wheel)	H M x 5	x x x x	x x x **H**	x x x x x x	- €
without - (heating) water + Solarliquid L (only impeller wheel)	H M x 5	x x x x	x x x **L**	x x x x x x	- €

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2.12 | Q heat - article number matrix

Due date	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
31.12. (standard)	H x x 5	x x x x	x x x x	**0** x x x x	- €

Temperature switch-on threshold:	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
0,2 / 0,2 K (standard)	H x x 5	x x x x	x x x x	x **0** x x x	- €

Labeling and documenation	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
German (standard)	H x x 5	x x x x	x x x x	x x **0** x x	- €
English	H x x 5	x x x x	x x x x	x x **2** x x	- €
Italian	H x x 5	x x x x	x x x x	x x **3** x x	- €
French	H x x 5	x x x x	x x x x	x x **4** x x	- €
Spanish	H x x 5	x x x x	x x x x	x x **5** x x	- €
Lithuanian	H x x 5	x x x x	x x x x	x x **7** x x	- €
Czech	H x x 5	x x x x	x x x x	x x **8** x x	- €
Polish	H x x 5	x x x x	x x x x	x x **9** x x	- €
Slovenian	H x x 5	x x x x	x x x x	x x **A** x x	- €
Russian	H x x 5	x x x x	x x x x	x x **R** x x	- €
Turkish	H x x 5	x x x x	x x x x	x x **T** x x	- €

Display	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
kWh (decimal places: 1)	H M x 5	x x x x	x x x x	x x x **0** x	- €
kWh (decimal places: 0)	H x x 5	x x x x	x x x x	x x x **1** x	- €
GJ (decimal places: 4)	H M x 5	x x x x	x x x x	x x x **4** x	- €
MWh (decimal places: 3)	H x x 5	x x x x	x x x x	x x x **5** x	- €
GJ (decimal places: 3)	H x x 5	x x x x	x x x x	x x x **7** x	- €

Special options	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
none	H x x 5	x x x x	x x x x	x x x x **0**	- €
AES-encryption according to OMS-Encryption Mode 5 (only for C-Mode devices)	H x x 5	x x x x	x x x x	x x x x **V**	- €
AES-encryption according to OMS-Encryption Mode 7 (only for C-Mode devices AMR and AMR ext.)	H x x 5	x x x x	x x x x	x x x x **W**	- €

2 | Compact heat meters

2.13 | Q heat 5.5 US - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with "US".

MID-conform compact Ultrasonic heat meter with a **full-metal measurement unit** and **integrated infrared interface**, current value as well as annual value and monthly values with checksum, programmable due date as well as display and storage of the maximum values, Parameter setting via the operating key or the software Q suite for Q heat 5.5 US

- Heat meter and heat-/cold meter available
- Measuring accuracy: class 2
- Measuring cycle: adaptive
- Display unit: kWh
- Installation: Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 11 years**
- Due day: 31.12.

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Heat Meters

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00A1**00B5 01200	**327,32**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00A1**01B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00A1**10B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00A1**11B5 01200	**327,32**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00A1**20B5 01200	**338,92**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00A1**21B5 01200	**338,92**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.14 | Q heat 5.5 US comp. - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with "US".

MID-conform compact Ultrasonic heat meter with a **glass-fiber reinforced measurement unit** and **integrated infrared interface**, current value as well as annual value and monthly values with checksum, programmable due date as well as display and storage of the maximum values, Parameter setting via the operating key or the software Q suite for Q heat 5.5 US

- Heat meter and heat-/cold meter available
- Measuring accuracy: class 2
- Measuring cycle: adaptive
- Display unit: kWh
- Installation: Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 11 years**
- Due day: 31.12.

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Heat meters

Communication: Q opto (infrared interface)

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00A1**00B5 01200	**304,10**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00A1**01B5 01200	**304,10**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00A1**10B5 01200	**304,10**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00A1**11B5 01200	**304,10**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00A1**20B5 01200	**315,71**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00A1**21B5 01200	**315,71**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.15 | Q heat 5.5 US - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with "US".

MID-conform compact Ultrasonic heat meter with **a full-metal measurement unit** and **integrated infrared interface** as well as a **integrated Impuls-Out or M-Bus-interface**, current value as well as annual value and monthly values with checksum, programmable due date as well as display and storage of the maximum values, Parameter setting via the operating key or the software Q suite for Q heat 5.5 US

- Heat meter and heat-/cold meter available
- Measuring accuracy: class 2
- Measuring cycle: adaptive
- Display unit: kWh
- Installation: Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 11 years**
- Due day: 31.12.

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Heat Meters

Communication: Impuls-out

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AB**00B5 01200	**350,53**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AB**01B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AB**10B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AB**11B5 01200	**350,53**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00AB**20B5 01200	**362,14**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00AB**21B5 01200	**362,14**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

2 | Compact heat meters - Impulse-Out | M-Bus

2.15 | Q heat 5.5 US - Screw-type meters - Ultrasonic (US)

Communication: M-Bus

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AC**00B5 01200	**350,53**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AC**01B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AC**10B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HMRH**00AC**11B5 01200	**350,53**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00AC**20B5 01200	**362,14**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HMRH**00AC**21B5 01200	**362,14**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cooling meters are available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.16 | Q heat 5.5 US comp. - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with "US".

MID-conform compact Ultrasonic heat meter with a **glass-fiber reinforced measurement unit** and **integrated infrared interface** as well as a **integrated Impuls-Out or M-Bus-interface**, acurrent value as well as annual value and monthly values with checksum, programmable due date as well as display and storage of the maximum values, Parameter setting via the operating key or the software Q suite for Q heat 5.5 US

- Heat meter and heat-/cold meter available
- Measuring accuracy: class 2
- Measuring cycle: adaptive
- Display unit: kWh
- Installation: Supply flow and return flow of the device on site programmable (standard: return flow)
- **Battery: 11 years**
- Due day: 31.12.

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Heat Meters

Communication: Impuls-out

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AB**00B5 01200	**327,32**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AB**01B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AB**10B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AB**11B5 01200	**327,32**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AB**20B5 01200	**338,92**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AB**21B5 01200	**338,92**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

Heat Meters

Communication: M-Bus

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AC**00B5 01200	**327,32**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AC**01B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AC**10B5 01200	**327,32**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AC**11B5 01200	**327,32**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AC**20B5 01200	**338,92**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AC**21B5 01200	**338,92**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

2.17 | Q heat 5.5 US comp. - Screw-type meters - Ultrasonic (US)

Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature. All suitable Ultrasonic meters are marked with "US".

MID-conform compact Ultrasonic heat meter with a **glass-fiber reinforced measurement unit** and **integrated infrared interface** as well as **integrated radio interface for walk-by readouts (Q tool + Q app** or Q log 5.5 + ACT46**) or for remote readout via Q gateway 5.5 direct.**

Parameter setting via the operating key or the software Q suite for Q heat 5.5 US.

- Heat meter and cold meter* as well as heat-/cold meter available
- Measuring accuracy: class 2
- Measuring cycle: adaptive
- Display unit: kWh
- Installation: Supply flow and return flow of the device on site programmable (standard: return flow)
- Battery: 11 years
- Due day: 31.12.
- Data telegramm includes current consumption values and 13 statistics

* only national approval for Germany and Austria

SWITCH FROM C- TO S-MODE **NOT** POSSIBLE

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

HEAT METERS

Communication: Radio

C MODE

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AU**00B5 01200	**350,53**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AU**01B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AU**10B5 01200	**350,53**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00AU**11B5 01200	**350,53**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AU**20B5 01200	**362,14**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00AU**21B5 01200	**362,14**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

2 | Compact heat meters - integrated radio interface

2.17 | Q heat 5.5 US comp. - Screw-type meters - Ultrasonic (US)

COLD METERS

Communication: Radio

C MODE | walk-by | AMR

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00CU**00B6 01200	**396,96**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00CU**10B6 01200	**396,96**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00CU**11B6 01200	**396,96**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00CU**20B6 01200	**408,57**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00CU**21B6 01200	**408,57**

HEAT METERS WITH COOLING OPTION

Communication: Radio Q AMR

C MODE | AMR

Please note:
- The readout of heat meters with cooling option is only via Q gateway 5.5 direct possible.
- Data telegram contains only current consumption values

Product description		Group	Qty.	Part no.	Price(€)
Nominal flow 0.6 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00BU**00B5 01200	**391,16**
Nominal flow 0.6 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00BU**01B5 01200	**391,16**
Nominal flow 1.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00BU**10B5 01200	**391,16**
Nominal flow 1.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 3/4" x 110 mm	5M	1	HCRH**00BU**11B5 01200	**391,16**
Nominal flow 2.5 m³/h, temperature sensor 5.0 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00BU**20B5 01200	**402,76**
Nominal flow 2.5 m³/h, temperature sensor 5.2 x 45 mm for direct or immersion sleeve measurement*					
Calculator unit removable	G 1" x 130 mm	5M	1	HCRH**00BU**21B5 01200	**402,76**

* Accessories required for immersion sleeve measurement.

Note: Article numbers refer to the English language version and 11-year battery.

Further Q heat 5.5 US parameterising variants as well as cold meters are available on request. See also article number matrix.

3 | Split heat meters

Heat meters are devices which are mounted in a water cycle, can measure its heat output and save the data recorded. A distinction is made between heat meters and heat meters with cooling option. Heat meters record temperatures in the water circuit's supply and return flow as well as the volume flow rate, and assume a pure heat output of the pipe system (heating operation) for the consumption calculation. In contrast, heat meters with cooling option record both the heat output and the heat input of the pipe system (cooling operation). The data of both operating modes are managed in separate memories. Both device types can display and/or store different values, e.g. the cumulated values at a selectable due date or end-of-the-month values and a fault message in case of an error. Both device types are optionally available with an integrated M-Bus module. In addition, all the meters featured in this chapter can be retrofitted with external communication modules on site and can thus be integrated in the Q AMR, Q walk-by or Q M-Bus system. You can find the external module variants from chapter 6 onwards.

3 | Split heat meters

The heat meters listed below have been designed for installation in systems where there is an installation section available with the dimensions listed next to the meter.

3.1 Ultrasonic flow sensors (thread)

MID-compliant split heat meter G 03 consisting of:
calculator unit with optical interface for programming / readout and for retrofitting of external communication modules, **MID-compliant pair of temperature sensors PT 1000 - for dimensions see below** with 3 m cable, **direct measurement up to nominal flow of 6.0 m³/h,** ultrasonic flow sensor with thread connections and a dynamic ratio of 1:100 **for any required installation position**, **up to and including a nominal flow of 10.0 m³/h with 5.6 mm sensor bore hole,** operating pressure PN16 bar, **approved medium temperature 130° C up to Qp 2.5 and 150° C from Qp 3.5,** display of annual value with check number, programmable scheduled date, parameterisation possible via operating key and adapter

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Product description			Group	Qty.	Part no.	Price (€)
G 03 – nominal flow rate 0.6 m³/h, temperature sensor 5.2 x 45 mm						
Standard	DN15	G 3/4" x 110 mm	C5	1	G03**500600** M 4003	**432,67**
alternative flow sensor	DN20	G 1" x 130 mm	C5	1	G03**500600** M 4003 with 0559**5000**H 4	**438,82**
alternative flow sensor	DN20	G 1" x 190 mm	C5	1	G03**500600** M 4003 with 0559**5001**H 4	**449,04**
G 03 – nominal flow rate 1.5 m³/h, temperature sensor 5.2 x 45 mm						
Standard	DN15	G 3/4" x 110 mm	C5	1	G03**501500** M 4003	**432,67**
alternative flow sensor	DN20	G 1" x 130 mm	C5	1	G03**501500** M 4003 with 0559**5002**H 4	**449,04**
alternative flow sensor	DN20	G 1" x 190 mm	C5	1	G03**501500** M 4003 with 0559**5003**H 4	**456,58**
G 03 – nominal flow rate 2.5 m³/h, temperature sensor 5.2 x 45 mm						
Standard	DN20	G 1" x 130 mm	C5	1	G03**502500** M 4003	**442,88**
alternative flow sensor	DN20	G 1" x 190 mm	C5	1	G03**502500** M 4003 with 0559**5004**H 4	**500,69**
G 03 – nominal flow rate 3.5 m³/h, temperature sensor 6.0 x 60 mm universal (for existing installations)						
Standard	DN25	G 5/4" x 260 mm	C5	1	G03**503501** M 4003	**631,39**
alternative	DN25	G 5/4" x 135 mm	C5	1	G03**503501** M 4003 with 0559**5005**H 4	**701,61**
alternative	DN25	G 5/4" x 150 mm	C5	1	G03**503501** M 4003 with 0559**5006**H 4	**701,61**
alternative	DN32	G 1½" x 150 mm	C5	1	G03**503501** M 4003 with 0559**5019**H 4	**701,61**
alternative	DN32	G 1½" x 260 mm	C5	1	G03**503501** M 4003 with 0559**5018**H 4	**631,39**
G 03 – nominal flow rate 3.5 m³/h, temperature sensor 5.2 x 45 mm (for new installations)						
Standard	DN25	G 5/4" x 260 mm	C5	1	G03**503500** M 4003	**631,38**
alternative flow sensor	DN25	G 5/4" x 135 mm	C5	1	G03**503500** M 4003 with 0559**5005**H 4	**701,60**
alternative flow sensor	DN25	G 5/4" x 150 mm	C5	1	G03**503500** M 4003 with 0559**5006**H 4	**701,60**
alternative flow sensor	DN32	G 1½" x 150 mm	C5	1	G03**503500** M 4003 with 0559**5019**H 4	**701,60**
alternative flow sensor	DN32	G 1½" x 260 mm	C5	1	G03**503500** M 4003 with 0559**5018**H 4	**631,38**
G 03 – nominal flow rate 6.0 m³/h, temperature sensor 6.0 x 60 mm universal (for existing installations)						
Standard	DN25	G 5/4" x 260 mm	C5	1	G03**506001** M 4003	**631,39**
alternative flow sensor	DN25	G 5/4" x 135 mm	C5	1	G03**506001** M 4003 with 0559**5007**H 4	**701,61**
alternative flow sensor	DN25	G 5/4" x 150 mm	C5	1	G03**506001** M 4003 with 0559**5008**H 4	**701,61**
alternative flow sensor	DN32	G 1½" x 150 mm	C5	1	G03**506001** M 4003 with 0559**5014**H 4	**753,84**
alternative flow sensor	DN32	G 1½" x 260 mm	C5	1	G03**506001** M 4003 with 0559**5015**H 4	**753,84**
alternative flow sensor	DN40	G 2" x 150 mm	C5	1	G03**506001** M 4003 with 0559**5017**H 4	**799,17**
G 03 – nominal flow rate 6.0 m³/h, temperature sensor 5.2 x 45 mm (for new installations)						
Standard	DN25	G 5/4" x 260 mm	C5	1	G03**506000** M 4003	**631,38**
alternative flow sensor	DN25	G 5/4" x 135 mm	C5	1	G03**506000** M 4003 with 0559**5007**H 4	**701,60**
alternative flow sensor	DN25	G 5/4" x 150 mm	C5	1	G03**506000** M 4003 with 0559**5008**H 4	**701,60**
alternative flow sensor	DN32	G 1½" x 150 mm	C5	1	G03**506000** M 4003 with 0559**5014**H 4	**753,84**
alternative flow sensor	DN32	G 1½" x 260 mm	C5	1	G03**506000** M 4003 with 0559**5015**H 4	**753,84**
alternative flow sensor	DN40	G 2" x 150 mm	C5	1	G03**506000** M 4003 with 0559**5017**H 4	**799,16**
G 03 – nominal flow rate 10.0 m³/h, temperature sensor 6.0 x 60 mm universal						
Standard	DN40	G 2" x 300 mm	C5	1	G03**510001** M 4003	**799,14**
alternative flow sensor	DN40	G 2" x 200 mm	C5	1	G03**510001** M 4003 with 0559**5009**H 4	**867,94**

Note: Article numbers refer to the English language version and 10-year battery. Further Q heat parameterising variants available on request. See also article number matrix.

3 | Split heat meters

Q heat

3.2 | Ultrasonic flow sensors (flange)

Q opto

MID-compliant split heat meter G 04 consisting of:
calculator unit with optical interface for programming / readout and for retrofitting of external communication modules, **MID-compliant pair of temperature sensors PT 1000 - for dimensions see below** with 3 m cable, **direct measurement up to nominal flow of 6.0 m³/h,** ultrasonic flow sensor with flange connections and a dynamic ratio of 1:100 **for any required installation position**, **up to and including a nominal flow of 10.0 m³/h with 5.6 mm sensor bore hole**, operating pressure PN25 bar, approved medium temperature 150°C, display of annual value with check number, programmable scheduled date, parameterisation possible via operating key and adapter

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Product description		Group	Qty.	Part no.	Price (€)
G 04 – nominal flow rate 3.5 m³/h, temperature sensor 6.0 x 60 mm universal (for existing installations)					
	DN 25 x 260 mm	C5	1	G04**5035**01 M 4003	**814,08**
G 04 – nominal flow rate 3.5 m³/h, temperature sensor 5.2 x 45 mm (for new installations)					
	DN 25 x 260 mm	C5	1	G04**5035**00 M 4003	**814,08**
G 04 – nominal flow rate 6.0 m³/h, temperature sensor 6.0 x 60 mm universal (for existing installations)					
	DN 25 x 260 mm	C5	1	G04**5060**01 M 4003	**814,08**
alternative flow sensor	DN 32 x 260 mm	C5	1	G04**5060**01 M 4003 with 5059**5016**H 4	**843,33**
G 04 – nominal flow rate 6.0 m³/h, temperature sensor 5.2 x 45 mm (for new installations)					
	DN 25 x 260 mm	C5	1	G04**5060**00 M 4003	**814,08**
alternative flow sensor	DN 32 x 260 mm	C5	1	G04**5060**00 M 4003 with 5059**5016**H 4	**843,33**
G 04 – nominal flow rate 10.0 m³/h, temperature sensor 6.0 x 60 mm universal					
	DN 40 x 300 mm	C5	1	G04**5100**01 M 4003	**989,85**
G 04 – nominal flow rate 15.0 m³/h, temperature sensor 6.0 x 60 mm universal					
	DN 50 x 270 mm	C5	1	G04**5150**02 M 4003	**1.391,68**
G 04 – nominal flow rate 25.0 m³/h, temperature sensor 6.0 x 60 mm universal					
	DN 65 x 300 mm	C5	1	G04**5250**02 M 4003	**1.568,22**
G 04 – nominal flow rate 40.0 m³/h, temperature sensor 6.0 x 60 mm universal					
	DN 80 x 300 mm	C5	1	G04**5400**02 M 4003	**1.838,43**
G 04 – nominal flow rate 60.0 m³/h, temperature sensor 6.0 x 60 mm universal					
	DN 100 x 360 mm	C5	1	G04**5400**02 M 4003 with 5059**5013**H 5	**2.092,94**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

3 | Split heat meters

Q heat

3.3 | Woltman flow sensors (flange)

Q opto

MID-compliant split heat meter G 04 consisting of: calculator unit with optical interface for programming / readout and for retrofitting of external communication modules, Woltman flow sensor with flange connections **for the indicated installation position**, display of annual value with check number, programmable scheduled date, **approved medium temperature 105° C**, parameterisation possible via operating key and adapter

- mounting: return flow
- battery life: 10 years
- MID-compliant pair of temperature sensors:
PT 1000 with 6.0 x 60 mm (universal) and 3 m cable

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Product description	Group	Qty.	Part no.	Price (€)
G 04 – nominal flow rate 15.0 m³/h for horizontal installation				
4-hole DN 50 x 270 mm	C5	1	G04**0150**02 M 1003	**1.155,24**
G 04 – nominal flow rate 25.0 m³/h for horizontal installation				
4-hole DN 65 x 300 mm	C5	1	G04**0250**02 M 1003	**1.192,62**
G 04 – nominal flow rate 40.0 m³/h for horizontal installation				
8-hole DN 80 x 300 mm	C5	1	G04**0400**02 M 1003	**1.321,45**
G 04 – nominal flow rate 60.0 m³/h for horizontal installation				
8-hole DN 100 x 360 mm	C5	1	G04**0600**02 M 1003	**1.736,64**
G 04 – nominal flow rate 150.0 m³/h for horizontal installation				
8-hole DN 150 x 500 mm	C5	1	G04**3150**02 M 1003	**2.823,52**
G 04 – nominal flow rate 15.0 m³/h for horizontal / vertical installation				
4-hole DN 50 x 200 mm	C5	1	G04**2150**02 M 1003	**1.155,24**
G 04 – nominal flow rate 25.0 m³/h for horizontal / vertical installation				
4-hole DN 65 x 200 mm	C5	1	G04**2250**02 M 1003	**1.192,62**
G 04 – nominal flow rate 32.0 m³/h for horizontal / vertical installation				
8-hole DN 80 x 225 mm	C5	1	G04**2400**02 M 1003	**1.321,45**
G 04 – nominal flow rate 50.0 m³/h for horizontal / vertical installation				
8-hole DN 100 x 250 mm	C5	1	G04**2600**02 M 1003	**1.736,64**
G 04 – nominal flow rate 80.0 m³/h for horizontal / vertical installation				
8-hole DN 125 x 250 mm	C5	1	G04**3100**02 M 1003	**2.174,80**
G 04 – nominal flow rate 200.0 m³/h for horizontal / vertical installation				
8-hole DN 150 x 300 mm	C5	1	G04**3150**02 M 1003	**2.823,52**
G 04 – nominal flow rate 200.0 m³/h for horizontal / vertical installation				
12-hole DN 200 x 350 mm	C5	1	G04**3150**02 M 1003	**3.442,17**

Note: Article numbers refer to the English language version and 10-year battery.

Further Q heat parameterising variants available on request. See also article number matrix.

3 | Split heat meters

3.4 | Calculator units

MID-conform calculator unit
opt. interface for programming / readout as well as retrofitting of external communication modules, for the connection of the given temperature sensors either using 2 or 4-conductor technology as well as flow sensors with its specified pulse values, display of the annual value with checksum, programmable due date, display unit MWh, Parameter setting via the operating key and adapter possible

Suitable for the connection of any required flow sensors with impulse output.

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Calculator units R 20 with 10-year battery, display unit MWh
without additional power supply via the calculator unit

Product description			Group	Qty.	Part no.	Price (€)
Heat meter	PT 500	2.5 l/Imp.	C4	1	R20**443**00 M 0030	**251,52**
Heat meter	PT 500	10.0 l/Imp.	C4	1	R20**463**00 M 0030	**251,52**
Heat meter	PT 500	25.0 l/Imp.	C4	1	R20**473**00 M 0030	**251,52**
Heat meter	PT 500	100.0 l/Imp.	C4	1	R20**492**00 M 0030	**251,52**
Heat meter	PT 1000	1.0 l/Imp.	C4	1	R20**533**00 M 0030	**251,52**
Heat meter	PT 1000	10.0 l/Imp.	C4	1	R20**563**00 M 0030	**251,52**
Heat meter	PT 1000	100.0 l/Imp.	C4	1	R20**592**00 M 0030	**251,52**

Calculator units R 21 with 10-year battery, display unit MWh
without additional power supply via the calculator unit

Product description			Group	Qty.	Part no.	Price (€)
Heat meter with cooling option	PT 500	10.0 l/Imp.	C4	1	R21**463**00 M 0030	**292,84**
Heat meter with cooling option	PT 500	100.0 l/Imp.	C4	1	R21**492**00 M 0030	**292,84**
Heat meter with cooling option	PT 1000	10.0 l/Imp.	C4	1	R21**563**00 M 0030	**292,84**
Heat meter with cooling option	PT 1000	100.0 l/Imp.	C4	1	R21**592**00 M 0030	**292,84**

Calculator units R 28 with 10-year battery, display unit MWh
without additional power supply via the calculator unit

Product description			Group	Qty.	Part no.	Price (€)
Solar heat meter - Medium: Dowcal 20	PT 1000	1.0 l/Imp.	C4	1	R28**533**08 E 0030	**374,56**
Solar heat meter - Medium: Antifrogen N	PT 1000	10.0 l/Imp.	C4	1	R28**562**07 E 0030	**374,56**
Solar heat meter - Medium: Tyfocor L	PT 1000	100.0 l/Imp.	C4	1	R28**592**04 E 0030	**374,56**

Note: Article numbers refer to the English language version and 10-year battery.

Other split calculator variants are available on request:
- Adaptations for glycol additives
- Heat meters with cooling option
- For temperature sensor connection PT100 or PT500
- Devices with 6-year battery
- Display of decimal places
- Volume measurement in the supply flow (hot pipe)
- Display unit kWh, MJ, kJ
- Marking languages: German, English, Italien, Spanisch, Lithuanian

3 | Split heat meters

3.4 | Calculator units

Calculator units R 20 with 10-year battery + 2nd battery, display unit MWh
with additional power supply via the calculator unit (standard for QUNDIS split heat meters with ultrasonic flow sensors)

Product description			Group	Qty.	Part no.	Price (€)
Heat meter	PT 1000	0.1 l/Imp.	C4	1	R20**F030**00 M 0030	**311,65**
Heat meter	PT 1000	1.0 l/Imp.	C4	1	R20**F330**00 M 0030	**311,65**
Heat meter	PT 1000	10.0 l/Imp.	C4	1	R20**F630**00 M 0030	**311,65**
Heat meter	PT 1000	10.0 l/Imp.	C4	1	R20**F620**00 M 0030	**311,65**
Heat meter	PT 1000	100.0 l/Imp.	C4	1	R20**F920**00 M 0030	**311,65**
Heat meter	PT 1000	100.0 l/Imp.	C4	1	R20**F910**00 M 0030	**311,65**

Note: Article numbers refer to the English language version and 10-year battery.

Other split calculator variants are available on request:
- Adaptations for glycol additives
- Heat meters with cooling option
- For temperature sensor connection PT100 or PT500
- Devices with 6-year battery
- Display of decimal places
- Volume measurement in the supply flow (hot pipe)
- Display unit kWh, MJ, kJ
- Marking languages: German, English, Italien, Spanisch, Lithuanian

3.5 | Temperature sensors

Paired temperature sensors for split heat meters
- incl. accessories for direct measurement or for use in common immersion sleeves
- approved and marked according to EN1434
- 2-wire technology with PT1000 measuring resistor
- Use in the temperature range 0 to +150 °C and up to a system pressure of 25 bar possible
- silicone connection cables and wire end sleeves with various lengths available

Ø 5,0 mm und Ø 6,0 mm
Universal with cable clempings for immersion depths in common immersion sleeves of 45 to 210 mm

Product description	Group	PCS / PU	Part no.	€ / PU
TS pair MID PT1000 - Ø 5,0 mm - 3,0 m cable - 150°C (universal)	C4	1	FTF0035	81,83
TS pair MID PT1000 - Ø 6,0 mm - 3,0 m cable - 150°C (universal)	C4	1	FTF0039	81,83
TS pair MID PT1000 - Ø 5,0 mm - 10 m cable - 150°C (universal)	C4	1	FTF0036	131,39
TS pair MID PT1000 - Ø 6,0 mm - 10 m cable - 150°C (universal)	C4	1	FTF0040	131,39

Ø 5,2 mm, AGFW 27,5 mm and AGFW 38 mm

Product description	Group	PCS / PU	Part no.	€ / PU
TS pair MID PT1000 - Ø 5,2 mm - 3,0 m cable - 150°C	C4	1	FTF0037	81,83
TS pair MID PT1000 - Ø 5,2 mm - 10 m cable - 150°C	C4	1	FTF0038	131,39
TS pair MID PT1000 - AGFW 27,5 mm - 2,5 m cable - 150°C	C4	1	FTF0018	81,83
TS pair MID PT1000 - AGFW 38,0 mm - 2,5 m cable - 150°C	C4	1	FTF0027	92,62
TS pair MID PT1000 - AGFW 27,5 mm - 10 m cable - 150°C	C4	1	FTF0019	179,91
TS pair MID PT1000 - AGFW 38,0 mm - 10 m cable - 150°C	C4	1	FTF0028	238,87

3.6 | Q heat split - article number matrix

Product family + version	A A A	B B B B	C C	D	E F G H	Price device
Heat meter with threaded connections	G 0 3	x x x x	x x	x	x x x x	146,83 €
Heat meter with flange connections	G 0 4	x x x x	x x	x	x x x x	146,83 €
Heat meter with cooling option with threaded connections	G 1 3	x x x x	x x	x	x x x x	188,15 €
Heat meter with cooling option with flange connections	G 1 4	x x x x	x x	x	x x x x	188,15 €
Solar heat meter with threaded connections	G 1 8	x x x x	x x	x	x x x x	263,59 €
Solar heat meter with flange connections	G 1 9	x x x x	x x	x	x x x x	263,59 €

Ultrasonic flow sensors - thread	A A A	B B B B	C C	D	E F G H	ASN code flow sensor	Price flow sensor
Ultrasonic / any installation position / qp 0.6 m³/h - G ¾" x 110 mm	G x x	5 0 0 6	x x	x	x x x x	50594587H 4	171,78 €
Ultrasonic / any installation position / qp 0.6 m³/h - G 1" x 130 mm	G x x	5 0 0 6	x x	x	x x x x	50595000H 4	177,94 €
Ultrasonic / any installation position / qp 0.6 m³/h - G 1" x 190 mm	G x x	5 0 0 6	x x	x	x x x x	50595001H 4	188,15 €
Ultrasonic / any installation position / qp 1.5 m³/h - G ¾" x 110 mm	G x x	5 0 1 5	x x	x	x x x x	50594588H 5	171,78 €
Ultrasonic / any installation position / qp 1.5 m³/h - G ¾" x 130 mm	G x x	5 0 1 5	x x	x	x x x x	50595002H 4	188,15 €
Ultrasonic / any installation position / qp 1.5 m³/h - G1" x 190 mm	G x x	5 0 1 5	x x	x	x x x x	50595003H 4	195,69 €
Ultrasonic / any installation position / qp 2.5 m³/h - G 1" x 130 mm	G x x	5 0 2 5	x x	x	x x x x	50594589H 5	182,00 €
Ultrasonic / any installation position / qp 2.5 m³/h - G 1" x 190 mm	G x x	5 0 2 5	x x	x	x x x x	50595004H 4	239,80 €
Ultrasonic / any installation position / qp 3.5 m³/h - G 1¼" x 260 mm	G x x	5 0 3 5	x x	x	x x x x	50593182H 5	370,50 €
Ultrasonic / any installation position / qp 3.5 m³/h - G 1¼" x 135 mm	G x x	5 0 3 5	x x	x	x x x x	50595005H 4	440,72 €
Ultrasonic / any installation position / qp 3.5 m³/h - G 1¼" x 150 mm	G x x	5 0 3 5	x x	x	x x x x	50595006H 4	440,72 €
Ultrasonic / any installation position / qp 3.5 m³/h - G 1½" x 150 mm	G x x	5 0 3 5	x x	x	x x x x	50595019H 4	440,72 €
Ultrasonic / any installation position / qp 3.5 m³/h - G 1½" x 260 mm	G x x	5 0 3 5	x x	x	x x x x	50595018H 4	370,50 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 1¼" x 260 mm	G x x	5 0 6 0	x x	x	x x x x	50593183H 4	370,50 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 1¼" x 135 mm	G x x	5 0 6 0	x x	x	x x x x	50595007H 4	440,72 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 1¼ " x 150 mm	G x x	5 0 6 0	x x	x	x x x x	50595008H 4	440,72 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 1½" x 150 mm	G x x	5 0 6 0	x x	x	x x x x	50595014H 4	492,95 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 1½" x 260 mm	G x x	5 0 6 0	x x	x	x x x x	50595015H 4	492,95 €
Ultrasonic / any installation position / qp 6.0 m³/h - G 2" x 150 mm	G x x	5 0 6 0	x x	x	x x x x	50595017H 4	538,27 €
Ultrasonic / any installation position / qp 10.0 m³/h - G 2" x 300 mm	G x x	5 1 0 0	x x	x	x x x x	50593184H 4	538,22 €
Ultrasonic / any installation position / qp 10.0 m³/h - G 2" x 200 mm	G x x	5 1 0 0	x x	x	x x x x	50595009H 4	607,05 €

Ultrasonic flow sensors - flange	A A A	B B B B	C C	D	E F G H	ASN code flow sensor	Price flow sensor
Ultrasonic / any installation position / qp 3.5 m³/h - FL DN25 260 mm	G x x	5 0 3 5	x x	x	x x x x	50593188H 4	553,19 €
Ultrasonic / any installation position / qp 6.0 m³/h - FL DN25 260 mm	G x x	5 0 6 0	x x	x	x x x x	50593189H 4	553,19 €
Ultrasonic / any installation position / qp 6.0 m³/h - FL DN32 260 mm	G x x	5 0 6 0	x x	x	x x x x	50595016H 4	582,44 €
Ultrasonic / any installation position / qp 10.0 m³/h - FL DN40 300 mm	G x x	5 1 0 0	x x	x	x x x x	50593190H 4	728,92 €
Ultrasonic / any installation position / qp 15.0 m³/h - FL DN50 270 mm	G x x	5 1 5 0	x x	x	x x x x	50593191H 5	1.130,75 €
Ultrasonic / any installation position / qp 25.0 m³/h - FL DN65 300 mm	G x x	5 2 5 0	x x	x	x x x x	50593192H 5	1.307,30 €
Ultrasonic / any installation position / qp 40.0 m³/h - FL DN80 300 mm	G x x	5 4 0 0	x x	x	x x x x	50593193H 5	1.577,54 €
Ultrasonic / any installation position / qp 60.0 m³/h - FL DN100 360 mm	G x x	5 4 0 0	x x	x	x x x x	50595013H 5	1.832,05 €

Woltman-jet flow sensors - flange	A A A	B B B B	C C	D	E F G H	ASN code flow sensor	Price flow sensor
Woltman-jet / horizontal / qp 15.0 m³/h - FL DN50 270 mm	G x x	0 1 5 0	x x		x x x x	50533148H 4	920,78 €
Woltman-jet / horizontal / qp 25.0 m³/h - FL DN65 300 mm	G x x	0 2 5 0	x x		x x x x	50533149H 4	958,16 €
Woltman-jet / horizontal / qp 40.0 m³/h - FL DN80 300 mm	G x x	0 4 0 0	x x		x x x x	50533150H 4	1.087,00 €
Woltman-jet / horizontal / qp 60.0 m³/h - FL DN100 360 mm	G x x	0 6 0 0	x x		x x x x	50533151H 4	1.502,18 €
Woltman-jet / horizontal / qp 150.0 m³/h - FL DN150 500 mm	G x x	3 1 5 0	x x		x x x x	50595020H 4	2.589,06 €
Woltman-jet / horizontal + vertical / qp 15.0 m³/h - FL DN50 200 mm	G x x	2 1 5 0	x x		x x x x	50533152H 4	920,78 €
Woltman-jet / horizontal + vertical / qp 25.0 m³/h - FL DN65 200 mm	G x x	2 2 5 0	x x		x x x x	50533153H 4	958,16 €
Woltman-jet / horizontal + vertical / qp 32.0 m³/h - FL DN80 225 mm	G x x	2 4 0 0	x x		x x x x	50533154H 4	1.087,00 €
Woltman-jet / horizontal + vertical / qp 50.0 m³/h - FL DN100 250 mm	G x x	2 6 0 0	x x		x x x x	50533155H 4	1.502,18 €
Woltman-jet / horizontal + vertical / qp 80.0 m³/h - FL DN125 250 mm	G x x	3 1 0 0	x x		x x x x	50590986H 4	1.940,34 €
Woltman-jet / horizontal + vertical / qp 200.0 m³/h - FL DN150 300 mm	G x x	3 1 5 0	x x		x x x x	50590987H 4	2.589,06 €
Woltman-jet / horizontal + vertical / qp 200.0 m³/h - FL DN200 350 mm	G x x	3 1 5 0	x x		x x x x	50590988H 4	3.207,71 €

3.6 | Q heat split - part number matrix

Logo	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
QUNDIS	G x x	x x x x	**0** x	x	x x x x	- €

Temperature sensor	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
5,0 x 45 mm / 3,0 m cable (universal), art.-no.: **FTF0035**	G x x	x x x x	x **X**	x	x x x x	81,83 €
6,0 x 60 mm / 3,0 m cable (universal), art.-no.: **FTF0039**	G x x	x x x x	x **X**	x	x x x x	81,83 €
5,0 x 45 mm / 10,0 m cable (universal), art.-no.: **FTF0036**	G x x	x x x x	x **X**	x	x x x x	131,39 €
6,0 x 60 mm / 10,0 m cable (universal), art.-no.: **FTF0040**	G x x	x x x x	x **X**	x	x x x x	131,39 €
5,2 x 45 mm / 3,0 m cable, art.-no.: **FTF0037**	G x x	x x x x	x **X**	x	x x x x	81,83 €
5,2 x 45 mm / 10,0 m cable, art.-no.: **FTF0038**	G x x	x x x x	x **X**	x	x x x x	131,39 €
AGFW 27,5 mm / 2,5 m cable, art.-no.: **FTF0018**	G x x	x x x x	x **X**	x	x x x x	81,83 €
AGFW 38,0 mm / 2,5 m cable, art.-no.: **FTF0027**	G x x	x x x x	x **X**	x	x x x x	92,63 €
AGFW 27,5 mm / 10,0 m cable, art.-no.: **FTF0019**	G x x	x x x x	x **X**	x	x x x x	179,91 €
AGFW 38,0 mm / 10,0 m cable, art.-no.: **FTF0028**	G x x	x x x x	x **X**	x	x x x x	238,87 €

Initial calibration	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
heat MID, cold without (standard)	G x x	x x x x	x x	**M**	x x x x	- €
heat without, cold without	G x x	x x x x	x x	**E**	x x x x	- €

Power supply	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
6-year battery	G x x	x x x x	x x	x	**0** x x x	- €
10-year battery	G x x	x x x x	x x	x	**1** x x x	5,80 €
6-year battery + 2nd battery (for Ultrasonic)	G x x	x x x x	x x	x	**3** x x x	26,43 €
10-year battery + 2nd battery (for Ultrasonic)	G x x	x x x x	x x	x	**4** x x x	32,23 €

Installation location for flow sensor	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
Return flow (cold pipe)	G x x	x x x x	x x	x	x **0** x x	- €
Supply flow (hot pipe)	G x x	x x x x	x x	x	x **1** x x	68,25 €

Internal communication module	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
none	G x x	x x x x	x x	x	x x **0** x	- €

Approval mark + marking language	*A A A*	*B B B B*	*C C*	*D*	*E F G H*	*Price*
MID, German	G x x	x x x x	x x	x	x x x **0**	- €
MID, English	G x x	x x x x	x x	x	x x x **3**	- €
MID, Italian	G x x	x x x x	x x	x	x x x **4**	- €
MID, Spanish	G x x	x x x x	x x	x	x x x **5**	- €
MID, Lithuanian	G x x	x x x x	x x	x	x x x **8**	- €

4 | Water meters

Q water

Water meters are mainly used in business to measure hot and cold water consumption. QUNDIS supplies water meters both as screw-type and capsule meter variants. Depending on the type of meter and installation material used, they can be mounted on-wall or in-wall directly in the water pipe. An impellor sensor measures the flow, with the cumulated consumption either shown by a counter on mechanical water meters or on a display in the case of electronic water meters.
As a recognised State Testing Centre for water meters, we can calibrate water meters and check their functionality and precision. This also allows us to use this quality assurance tool for our own developments of course, and put new developments and devices through their paces under real conditions.

4.1 | Q water 5.5 - Electronic screw-type water meters

The water meter generation from QUNDIS provides both screw-type and capsule meters. Thanks to a great selection of measuring capsule versions for the most common connection interfaces from all major manufacturers, nearly every installation situation can be handled. With the improved radio performance and flexibility during readout, the Q water 5.5 is setting new standards.

Product details:

- MID-compliant screw-type and measuring capsule water meter (precision classes R80 horizontal /R40 vertical)
- Easy fitting thanks to a plastic capsule seal and automatic radio activation
- No parameterising required
- High device protection level (IP68)
- IrDA-interface for readout and parameterisation of the water meter
- 360° rotatable calculator unit with 8-digit LC display
- Horizontal and vertical installation possible
- Counts forwards and backwards
- Leaks are reported
- Electronic scanning makes tampering impossible
- Saving of 13 monthly values

Communication: Radio

C MODE | Q walk-by | Q AMR

- **C-Mode** features see page 1
- switch from C- to S-Mode possible

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Permanent flow rate Q_3 2.5 m³/h - Connection thread G 3/4" (ISO 228) - Nominal width 15 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 80 mm				
max. 30 °C water temperature	MF	1	WME5**010T**0011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**0011 00V00	**110,50**
Installation length 110 mm				
max. 30 °C water temperature	MF	1	WME5**010T**1011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**1011 00V00	**110,50**

Permanent flow rate Q_3 4.0 m³/h - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 130 mm				
max. 30 °C water temperature	MF	1	WME5**010T**2011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**2011 00V00	**110,50**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

S MODE

Communication: basic (module shaft: type MODULARIS)

Q basic

Mechanical water meter on-wall (single-jet)

- Dry runner, impeller wheel
- Module shaft **for retrofitting external communication modules type MODULARIS**
- MID approval

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Permanent flow rate Q_3 2.5 m³/h - Connection thread G 3/4" (ISO 228) - Nominal width 15 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 80 mm				
Q water 4 - max. 30 °C water temperature	MA	1	WMM4**0000**0001 00V00	**42,83**
Q water 4 - max. 90 °C water temperature	MA	1	WMM4**0010**0001 00V00	**42,83**
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**0001 Z6V00	**35,29**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**0001 Z6V00	**35,29**
Installation length 110 mm				
Q water 4 - max. 30 °C water temperature	MA	1	WMM4**0000**1001 00V00	**42,83**
Q water 4 - max. 90 °C water temperature	MA	1	WMM4**0010**1001 00V00	**42,83**
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**1001 Z6V00	**35,29**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**1001 Z6V00	**35,29**
Installation length 115 mm (Q_3 2.5 m³/h)				
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**Y005 Z6V00	**35,29**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**Y005 Z6V00	**35,29**
Installation length 130 mm (Q_3 2.5 m³/h)				
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**3001 Z6V00	**51,77**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**3001 Z6V00	**51,77**

Permanent flow rate Q_3 4.0 m³/h - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 130 mm				
Q water 4 - max. 30 °C water temperature	MA	1	WMM4**0000**2001 00V00	**56,99**
Q water 4 - max. 90 °C water temperature	MA	1	WMM4**0010**2001 00V00	**56,99**
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**2001 Z6V00	**51,77**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**2001 Z6V00	**51,77**
Installation length 115 mm (Q_3 4.0 m³/h)				
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**Z005 Z6V00	**42,83**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**Z005 Z6V00	**42,83**

4.2 | Q water 4 - Mechanical screw-type water meters

Communication: basic (module shaft: type MODULARIS)

Q basic

Mechanical water meter on-wall (single-jet)

- Dry runner, impeller wheel
- Module shaft **for retrofitting external communication modules type MODULARIS**
- MID approval

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

SPECIAL INSTALLATION LENGTH

Permanent flow rate Q_3 2.5 m³/h - Connection thread G 3/4" (ISO 228) - Nominal width 15 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 130 mm				
Q water 4 - max. 30 °C water temperature	MA	1	WMM4**0000**3001 00V00	**56,99**
Q water 4 - max. 90 °C water temperature	MA	1	WMM4**0010**3001 00V00	**56,99**

Permanent flow rate Q_3 2.5 m³/h - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 130 mm				
Q water 4 - max. 30 °C water temperature	MA	1	WMM4**0000**S001 00V00	**56,99**
Q water 4 - max. 90 °C water temperature	MA	1	WMM4**0010**S001 00V00	**56,99**
Q water 4 (SJ EVO) - max. 30 °C water temperature	MA	1	WMMH**0000**3001 Z6V00	**51,77**
Q water 4 (SJ EVO) - max. 90 °C water temperature	MA	1	WMMH**0010**3001 Z6V00	**51,77**

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

4 | Water meters

4.2.1 | Q water 4 - Mechanical screw-type water meters

Communication: basic (module shaft type SJ PLUS)

Mechanical water meter on-wall (single-jet)
- Dry runner, impeller wheel
- Module shaft **for retrofitting external communication modules type SJ Plus**
- MID approval

image similar

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Permanent flow rate Q_3 2.5 m³/h - Connection thread G 3/4" (ISO 228) - Nominal width 15 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 80 mm				
Q water 4 (SJ PLUS) - max. 30 °C water temperature	MA	1	WMMH**0000**0001 Z2V00	**35,29**
Q water 4 (SJ PLUS) - max. 90 °C water temperature	MA	1	WMMH**0010**0001 Z2V00	**35,29**
Installation length 110 mm				
Q water 4 (SJ PLUS) - max. 30 °C water temperature	MA	1	WMMH**0000**1001 Z2V00	**35,29**
Q water 4 (SJ PLUS) - max. 90 °C water temperature	MA	1	WMMH**0010**1001 Z2V00	**35,29**

Permanent flow rate Q_3 4.0 m³/h - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 130 mm				
Q water 4 (SJ PLUS) - max. 30 °C water temperature	MA	1	WMMH**0000**2001 Z2V00	**51,77**
Q water 4 (SJ PLUS) - max. 90 °C water temperature	MA	1	WMMH**0010**2001 Z2V00	**51,77**

Reed pulse out modul for mechanical screw-type water meters type SJ PLUS (4.2.1)

Reed pulse out modul for mechanical water meters of type SJ PLUS
(suitable for Q water 4 mechanical water meters type SJ PLUS)

Product description	Group	Qty.	Part no.	Price (€)
Reed pulse out add-on module 10 l/pulse (for SD PLUS / SJ PLUS)	MK	1	PWMH**006V**0000 Z0V00	**21,44**

4.3 | Q water 5.5 - Electronic measuring capsule water meters

The new water meter generation from QUNDIS provides both screw-type and capsule meters. Thanks to a **great selection of measuring capsule versions for the most common connection interfaces** from all major manufacturers, nearly every installation situation can be handled. With the improved radio performance and the flexibility during readout, the Q water 5.5 is setting new standards.

Product details:

- MID-compliant screw-type and measuring capsule water meter (precision classes R80 horizontal /R40 vertical)
- Easy fitting thanks to a plastic capsule seal and automatic radio activation
- No parameterising required
- High device protection level (IP68)
- infrared-interface for readout and parameterisation of the water meter
- 360° rotatable calculator unit with 8-digit LC display
- Horizontal and vertical installation possible
- Counts forwards and backwards
- Leaks are reported
- Electronic scanning makes tampering impossible
- Saving of 13 monthly values

4.3 | Q water 5.5 - Electronic measuring capsule water meters

Communication: Radio

C MODE

Q walk-by Q AMR

- **C-Mode** features see page 1
- switch from C- to S-Mode possible

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Connection interface IST (Ista) - Connection thread G 2" - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**000T**4111 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**001T**4111 00V00	**110,50**

Connection interface A34 (Allmess) - Connection thread M77 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**000T**6111 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**001T**6111 00V00	**110,50**

Connection interface TE1 (Techem) - Connection thread M62 x 2 - Permanent flow rate Q_3 2,5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**8111 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**8111 00V00	**110,50**

Note: The Q water 5.5 - connection interface TE1 - is not compatible with the original thrust tubes and covers.
Suitable hrust tubes and covers can be found in our digital accessories price list.

Connection interface MOC/MOE (Elster/ABB) - Connection thread M65 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**000T**A111 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**001T**A111 00V00	**110,50**

Connection interface MET (Brunata/Metrona HT3) - Connection thread M64 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**C111 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**C111 00V00	**110,50**

Communication: Radio

C MODE

Q walk-by Q AMR

Connection interface HT2 (Brunata HT2/Metrona 307) - Connection thread M66 x 1 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**E011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**E011 00V00	**110,50**

Connection interface MB3 (Minol) - Connection thread M76 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**J011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**J011 00V00	**110,50**

Connection interface DM1 (Deltamess TK) - Connection thread M60 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**T011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**T011 00V00	**110,50**

Connection interface MUK (Sensus PolluMUK) - Connection thread G2 1/4" - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**V011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**V011 00V00	**110,50**

Connection interface WE1 (Wehrle) - Connection thread M78 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**W011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**W011 00V00	**110,50**

Connection interface WGU (Wassergeräte) - Connection thread M66 x 1.25 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MF	1	WME5**010T**X011 00V00	**110,50**
max. 90 °C water temperature	MF	1	WME5**011T**X011 00V00	**110,50**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

S MODE

Communication: basic (module shaft: type MODULARIS)

Mechanical water meter measuring capsule

- Dry runner, impeller wheel
- module shaft **for retrofitting external communication modules type MODULARIS**
- MID approval

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Connection interface IST (Ista)- Connection thread G 2" - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**4001 00V00	**47,41**
max. 90 °C water temperature	MD	1	WMM4**0010**4001 00V00	**47,41**

Connection interface A34 (Allmess) - Connection thread M77 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**6001 00V00	**60,24**
max. 90 °C water temperature	MD	1	WMM4**0010**6001 00V00	**60,24**

Connection interface TE1 (Techem) - Connection thread M62 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**8001 00V00	**60,24**
max. 90 °C water temperature	MD	1	WMM4**0010**8001 00V00	**60,24**

Connection interface MOC/MOE (Elster/ABB) - Connection thread M65 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**A001 00V00	**48,58**
max. 90 °C water temperature	MD	1	WMM4**0010**A001 00V00	**48,58**

Connection interface MET (Brunata/Metrona HT3) - Connection thread M64 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**C001 00V00	**58,04**
max. 90 °C water temperature	MD	1	WMM4**0010**C001 00V00	**58,04**

Connection interface HT2 (Brunata HT2/Metrona 307)- Connection thread M66 x 1 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**E001 00V00	**72,08**
max. 90 °C water temperature	MD	1	WMM4**0010**E001 00V00	**72,08**

4 | Water meters

Q water

4.4 | Q water 4 - Mechanical measuring capsule water meters

Communication: basic (module shaft: type MODULARIS)

Q basic

Connection interface MB3 (Minol) - Connection thread M76 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**J001 00V00	**83,45**
max. 90 °C water temperature	MD	1	WMM4**0010**J001 00V00	**83,45**

Connection interface MB2 (Minol) - Connection thread M80 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**G001 00V00	**83,45**
max. 90 °C water temperature	MD	1	WMM4**0010**G001 00V00	**83,45**

Connection interface DM1 (Deltamess TK) - Connection thread M60 x 2 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**T001 00V00	**72,08**
max. 90 °C water temperature	MD	1	WMM4**0010**T001 00V00	**72,08**

Connection interface MUK (Sensus PolluMUK)- Connection thread G2 1/4" - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**V001 00V00	**60,24**
max. 90 °C water temperature	MD	1	WMM4**0010**V001 00V00	**60,24**

Connection interface WE1 (Wehrle)- Connection thread M78 x 1.5 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**W001 00V00	**74,17**
max. 90 °C water temperature	MD	1	WMM4**0010**W001 00V00	**74,17**

Connection interface WGU (Wassergeräte) - Connection thread M66 x 1.25 - Permanent flow rate Q_3 2.5 m³/h

Product description	Group	Qty.	Part no.	Price (€)
max. 30 °C water temperature	MD	1	WMM4**0000**X001 00V00	**72,08**
max. 90 °C water temperature	MD	1	WMM4**0010**X001 00V00	**72,08**

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

4.5 | Q water 5.5 - article number matrix

Product family	*Block1*	*Block2*	*Block3*	*Block4*	*Basic Price*
Electronic Water Meter	**WME 5**	x x x x	x x x x	x x x x x	110,50 €

Logo	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
QUNDIS (standard)	WME 5	**0 0** x x	x x x x	x x x x x	- €
QUNDIS (standard)	WME 5	**0 1** x x	x x x x	x x x x x	- €

Logo variants on request

Version	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Cold Water	WME 5	x x **0** x	x x x x	x x x x x	- €
Warm Water	WME 5	x x **1** x	x x x x	x x x x x	- €

Communication interface	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
infrared + walk-by + AMR (S-Mode)	WME 5	x x x **N**	x x x x	x x x x x	- €
infrared + walk-by + AMR (C-Mode)	WME 5	x x x **T**	x x x x	x x x x x	- €

*Flow sensor**	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Screwed connection Q3 2,5 m³/h (MID) - 80 mm, G3/4"	WME 5	x x x x	**0** x x x	x x x x x	- €
Screwed connection - Q3 2,5 m³/h - 110 mm, G3/4"	WME 5	x x x x	**1** x x x	x x x x x	- €
Screwed connection - Q3 4 m³/h - 130 mm, G1"	WME 5	x x x x	**2** x x x	x x x x x	- €
Capsule IST (Ista) - Q3 2,5 m³/h	WME 5	x x x x	**4** x x x	x x x x x	- €
Capsule A34 (Allmess) - Q3 2,5 m³/h	WME 5	x x x x	**6** x x x	x x x x x	- €
Capsule TE1 (Techem) - Q3 2,5 m³/h	WME 5	x x x x	**8** x x x	x x x x x	- €
Capsule MOC/MOE (Elster) - Q3 2,5 m³/h	WME 5	x x x x	**A** x x x	x x x x x	- €
Capsule MET (Brunata HT3) - Q3 2,5 m³/h	WME 5	x x x x	**C** x x x	x x x x x	- €
Capsule HT2 (Brunata HT2) - Q3 2,5 m³/h	WME 5	x x x x	**E** x x x	x x x x x	- €
Capsule MB3 (Minol MB3) - Q3 2,5 m³/h	WME 5	x x x x	**J** x x x	x x x x x	- €
Capsule DM1 (Deltamess TKS) - Q3 2,5 m³/h	WME 5	x x x x	**T** x x x	x x x x x	- €
Capsule MUK (Sensus Pollu-Muk) - Q3 2,5 m³/h	WME 5	x x x x	**V** x x x	x x x x x	- €
Capsule WE1 (Wehrle) - Q3 2,5 m³/h	WME 5	x x x x	**W** x x x	x x x x x	- €
Capsule WGU (Wassergeräte) - Q3 2,5 m³/h	WME 5	x x x x	**X** x x x	x x x x x	- €

*Designation according to ISO 4064 (common designation in brackets)

Measurement unit material	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Brass (not to configure)	WME 5	x x x x	x **0** x x	x x x x x	- €
Plastic (not to configure)	WME 5	x x x x	x **1** x x	x x x x x	- €

Power supply	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
Battery 10 years (standard)	WME 5	x x x x	x x **1** x	x x x x x	- €

Approval + Measuring accuracy (Q3/Q1)	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
MID - R80H / R40V (standard)	WME 5	x x x x	x x x **1**	x x x x x	- €

Due date	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
31.12. (standard)	WME 5	x x x x	x x x x	**0** x x x x	- €

Interface for add-on modules	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
none (standard)	WME 5	x x x x	x x x x	x **0** x x x	- €

Labeling and documenation	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
German / English / French / Spanish / Italian (standard)	WME 5	x x x x	x x x x	x x **V** x x	- €

Display	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
m³ (standard)	WME 5	x x x x	x x x x	x x x **0** x	- €

Special options	*Block1*	*Block2*	*Block3*	*Block4*	*Extra charge*
none (standard)	WME 5	x x x x	x x x x	x x x x **0**	- €
AES-encryption, Security Mode 5 according to EN 13757-7, Security Profile A according to OMS specification (only for C-Mode devices)	WME 5	x x x **T**	x x x x	x x x x **V**	- €

4.6 | Q water 5.5 - Electronic valve- and bath meters

The new electronic valve and bath meters include a connection kit for valve or bath meters as well as a Q water 5.5 IST. That means the new connection kits can be combined with every version of the Q water 5.5 with connection interface IST and connection thread G2" (S-Mode, C-Mode, hot, cold).

Valve meter-connection kit for Q water 5.5 (new installation)

Valve meter connection kit for electronic water meter Q water 5.5 - with connection interface IST - connection thread G 2" - permanent flow rate Q_3 2.5 m³/h

The connection kit includes:
- Chrome-plated valve meter fittings
- Centre section
- Chrome-plated connection housing
- Accessories for installing of the valve meter (seals, O-rings, etc.)

Please note:
The Q water 5.5 is not part of the connection kit. Please find the matching Q water 5.5 with connection interface IST - connection thread G 2" - permanent flow Q_3 2.5 m³/h on page 51 (C-Mode) in the device price list.

Connection set and extensions as well as rosettes are not included in the scope of the valve meter connection kit (new installation). They can be found in the accessories price list.

Product description	Group	Qty.	Part no.	Price (€)
Valve meter connection kit for Q water 5.5	5G	1	BBV5520	**69,98**

Bath meter-connection kit for Q water 5.5 (new installation)

Bath meter connection kit for electronic water meter Q water 5.5 - with connection interface IST - connection thread G 2" - permanent flow rate Q_3 2.5 m³/h

The connection kit includes:
- Chrome-plated bath meter fittings
- Centre section
- Chrome-plated connection housing
- Accessories for installing of the bath meter (seals, O-rings, etc.)

Please note:
The Q water 5.5 is not part of the connection kit. Please find the matching Q water 5.5 with connection interface IST - connection thread G 2" - permanent flow Q_3 2.5 m³/h on page 51 (C-Mode) in the device price list.

Product description	Group	Qty.	Part no.	Price (€)
Bath meter connection kit for Q water 5.5	5G	1	BBV5522	**87,21**

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

4.6 | Q water 5.5 - Electronic valve- and bath meters

Replacement connection kit for valve and bath meter for Q water 5.5

Replacement connection kit for electronic water meter Q water 5.5 - with connection interface IST - connection thread G 2" - permanent flow rate Q_3 2.5 m³/h for the replacement of electronic valve and bath meters from QUNDIS of the WMx36.DVN series

The connection kit includes:
- Chrome-plated connection housing
- Centre section
- Accessories for installing of the connection kit (seals, O-rings, etc.)

Please note:
The Q water 5.5 is not part of the connection kit. Please find the matching Q water 5.5 with connection interface IST - connection thread G 2" - permanent flow Q_3 2.5 m³/h on page 51 (C-Mode) in the device price list.

Product description	Group	Qty.	Part no.	Price (€)
Replacement connection kit for Q water 5.5	5G	1	BBV5521	**39,87**

Hot water cost allocator connection kit for Q water 5.5

Hot water cost allocator connection kit for existing retrofitted hot water cost allocators. The connection housing takes up the space of the TZ90 and is designed for mounting of a Q water 5.5 with connection interface IST and connection thread G2“

The connection kit includes:
- Chrome-plated connection housing
- Accessories for installing of the connection kit

Please note:
The Q water 5.5 is not part of the connection kit. Please find the matching Q water 5.5 with connection interface IST - connection thread G 2" - permanent flow Q_3 2.5 m³/h on page 51 (C-Mode) in the device price list.

Product description	Group	Qty.	Part no.	Price (€)
Hot water cost allocator connection kit for Q water 5.5	5G	1	BBV5523	**69,98**

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

Communication: basic (module shaft: type MODULARIS)

Q basic

Mechanical residential water meters
- Multi-jet dry runner
- Module shaft for **retrofitting QUNDIS radio add-on modules type MODULARIS**
- 360° rotatable 8-digit totalizer
- Maximum pressure load 1,6 MPa
- MID approval

ALL PRICES INCL. FIXED FEE, CONFORMITY ASSESSMENT.

Permanent flow rate Q_3 2.5 m^3/h (former Qn 1.5 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 165 mm (horizontal) - Connection thread G 3/4" (ISO 228) - Nominal width 15 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**A001 Z0V00	**138,12**
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**A001 Z0V00	**138,12**
Installation length 105 mm (ascending) - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature *	MB	1	WMDH**0000**K001 Z0V00	**174,11**
Q water domestic (ascending) - max. 90 °C water temperature *	MB	1	WMDH**0010**K001 Z0V00	**174,11**

Permanent flow rate Q_3 4.0 m^3/h (former Qn 2.5 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 190 mm (horizontal) - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature	MB	1	WMDH**0000**B001 Z0V00	**138,12**
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**B001 Z0V00	**138,12**
Installation length 105 mm (ascending) - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature	MB	1	WMDH**0000**L001 Z0V00	**174,11**
Q water domestic (ascending) - max. 90 °C water temperature *	MB	1	WMDH**0010**L001 Z0V00	**174,11**
Installation length 105 mm (descending) - Connection thread G 1" (ISO 228) - Nominal width 20 (DN)				
Q water domestic (descending) - max. 30 °C water temperature *	MB	1	WMDH**0000**U001 Z0V00	**197,32**
Q water domestic (descending) - max. 90 °C water temperature *	MB	1	WMDH**0010**U001 Z0V00	**197,32**

Permanent flow rate Q_3 6.3 m^3/h (former Qn 3.5 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 260 mm (horizontal) - Connection thread G 1¼" (ISO 228) - Nominal width 25 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**C001 Z0V00	**214,73**
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**C001 Z0V00	**214,73**
Installation length 150 mm (ascending) - Connection thread G 1¼" (ISO 228) - Nominal width 25 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature *	MB	1	WMDH**0000**M001 Z0V00	**258,84**
Q water domestic (ascending) - max. 90 °C water temperature *	MB	1	WMDH**0010**M001 Z0V00	**258,84**

Communication: basic (module shaft: type MODULARIS)

Q basic

Permanent flow rate Q_3 10 m^3/h (former Qn 6.0 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 260 mm (horizontal) - Connection thread G 1¼" (ISO 228) - Nominal width 25 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature	MB	1	WMDH**0000**D001 Z0V00	**214,73**
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**D001 Z0V00	**214,73**
Installation length 270 mm (horizontal) - Connection thread G 1¼" (ISO 228) - Nominal width 25 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**H001 Z0V00	**755,62**
Installation length 150 mm (ascending) - Connection thread G 1¼" (ISO 228) - Nominal width 25 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature	MB	1	WMDH**0000**N001 Z0V00	**258,84**
Q water domestic (ascending) - max. 90 °C water temperature *	MB	1	WMDH**0010**N001 Z0V00	**258,84**

Permanent flow rate Q_3 16 m^3/h (former Qn 10 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 300 mm (horizontal) - Connection thread G 2" (ISO 228) - Nominal width 40 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature	MB	1	WMDH**0000**F001 Z0V00	**381,87**
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**F001 Z0V00	**381,87**
Installation length 150 mm (ascending) - Connection thread G 2" (ISO 228) - Nominal width 40 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature *	MB	1	WMDH**0000**P001 Z0V00	**496,78**
Q water domestic (ascending) - max. 90 °C water temperature *	MB	1	WMDH**0010**P001 Z0V00	**496,78**
Installation length 200 mm (ascending) - Connection thread G 2" (ISO 228) - Nominal width 40 (DN)				
Q water domestic (ascending) - max. 30 °C water temperature *	MB	1	WMDH**0000**Q001 Z0V00	**518,83**

Permanent flow rate Q_3 25 m^3/h (former Qn 15 m^3/h)

Product description	Group	Qty.	Part no.	Price (€)
Installation length 270 mm (horizontal) - Connection thread G 2½" (ISO 228) - Nominal width 50 (DN)				
Q water domestic (horizontal) - max. 90 °C water temperature *	MB	1	WMDH**0010**G001 Z0V00	**685,97**
Installation length 270 mm (horizontal) - Connection flange - FL50				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**I001 Z0V00	**811,10**
Installation length 300 mm (horizontal) - Connection thread G 2½" (ISO 228) - Nominal width 50 (DN)				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**G001 Z0V00	**685,97**
Installation length 300 mm (horizontal) - Connection flange - FL50				
Q water domestic (horizontal) - max. 30 °C water temperature *	MB	1	WMDH**0000**J001 Z0V00	**713,83**

* Availability and delivery times on request.

Additional variants on request.

5 | Smoke alarm

Smoke alarms serve to detect and signal the development of smoke and/or heat. DIN 14676 - the application standard for smoke alarms - regulates the planning, installation, operation and servicing of smoke alarms in residential houses, flats and rooms used for residence purposes on the (German) national level. DIN EN 14604 is the European product standard for smoke alarms. This describes the performance criteria and test methods used for the devices. In Germany, the obligation to equip residential buildings with smoke alarms is regulated by the building laws of the different regional states.

5 | Smoke alarm

5.1 | Ei6500-OMS - Smoke alarm radio with remote inspection (Type C)

The proven radio smoke alarm **Ei6500-OMS** with integrated radio meets all requirements for complete remote inspection (design type C) according to DIN 14676.

Product details:
- Remote inspection by integrated wM-Bus remote inspection module according to DIN 14676-1 (method C)
- Interoperability through OMS standard
- AES-128 encrypted radio data transmission OMS-Encryption Mode 5
- Ultrasonic obstacle detection
- Disassembly detection
- User-friendly user button (entire housing cover)
- Compatible with Ei650 series mounting base
- Testing standards: DIN EN 14604 / VdS 3131 / vfdb-Richtlinie 14/01 („Q-Label“)
- service life of 10 years

Please note: Delivery only with AES encryption. The electronic QUNDIS delivery note (eLS, csv file) will be provided for key management. Automatic decryption is possible on a tariff basis within the QUNDIS Smart Metering Platform (Q SMP).

Communication: Radio

C-Mode features - see page 1

- incl. mounting material for screw mounting

Q AMR: with Q gateway 5.5 direct or with Q node 5.5 (as of version 4.2) / Q gateway 5
Q walk-by: for readout with Q tool + Q app (as of version 1.05)

Please note: You can only order the radio smoke alarm in batch sizes of 20 pieces.

Product description	Group	Qty.	Part no.	Price (€)
Ei6500-OMS, C-Mode (Q walk-by + Q AMR)	H2	1 PU	SDTH**ZZ7H**3000 0000V	**1.295,80**
sale and delivery in packing units of 20 units each				

5 | Smoke alarm

5.2 | Ei650i - Smoke alarm standalone (Type A)

The smoke alarm **Ei650i** alerts early-on and reliably during smouldering fires and open flames with smoke development. The intelligent evaluation electronics prevents false alarms and efficient battery management makes battery service lives of 10 years possible.

Product details:
- 85 dB alarm signal at a distance of 3 m
- Large test/mute button
- Permanently installed lithium battery for a service life of 10 years (removal of battery not possible)
- Self-monitoring
- Contamination prediction
- Extended mute function
- Dismantling detection and optional dismantling lock

Communication: basic

Smoke alarm standalone - Ei650i
incl. mounting material for screw mounting

Please note: You can only order the radio smoke alarm in batch sizes of 20 pieces.

Product description	Group	Qty.	Part no.	Price (€)
Ei650i (standalone)	H1	1 PU	SDTH**ZZ90**0000 00000	**597,80**

Sale and delivery in packing units of 20 units each

Installation material

Suitable installation material can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

6 | Further system components data readout

6 | Further system components data readout

6.1 | Q module 5.5 - Add-on radio modules for mechanical water meters

Q module

Communication: Radio

Q walk-by Q AMR

Radio add-on modules suitable for radio prepared water meters of
type MODULARIS
(suitable for mechanical water meters type Q water 4, Q water 4 SJ EVO and Q water domestic)

C MODE

Standard version: Due date 31.12.
(additional options are possible on request or can be changed onsite with the Q suite 5 software)

- **C-Mode** features see page 1
- switch from C- to S-Mode possible

Q AMR: features usable with a complete Q node 5.5 AMR network or with Q gateway 5.5 direct
Q walk-by: requirement for readout: Q tool + Q app or Q log 5.5 + current version of ACT46 (mixed operations with WFZ166.MO possible)

Please note: Supplied in batches of 10 pieces.

Product description	Group	Qty.	Part no.	Price (€)
Q module 5.5 water Modularis, C-Mode (Q walk-by + Q AMR)	5T	1	RWM5**000T**0000 00000	**79,15**

Communication: Radio

Q walk-by Q AMR

Radio add-on modules suitable for radio prepared water meters of type ALLMESS
(suitable for series / system: MK +m and V +m)

C MODE

Standard version: Due date 31.12.
(additional options are possible on request or can be changed onsite with the Q suite 5 software)

- **C-Mode** features see page 1
- switch from C- to S-Mode possible

Q AMR: features usable with a complete Q node 5.5 AMR network or with Q gateway 5.5 direct
Q walk-by: requirement for readout: Q tool + Q app or Q log 5.5 + current version of ACT46

Please note: Supplied in batches of 10 pieces.

Product description	Group	Qty.	Part no.	Price (€)
Q module 5.5 water Allmess, C-Mode (Q walk-by + Q AMR)	5T	1	RWM5**004T**0000 00000	**84,50**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

S MODE

6 | Further system components data readout

6.2 | Q module 5.5 - Radio add-on modules for heat meters

Q module

Communication: Radio

Q walk-by Q AMR

Radio add-on module suitable for heat meters of the series Q heat 5 / 5.5 and calculator units R 20/21
(not suitable for Q heat 5.5 US)

C MODE

The serial number, consumption and due date values are readout of the heat meter directly via an optical interface, which means parameter setting is not required for these data.

- **C-Mode** features see page 1
- switch from C- to S-Mode possible

Q AMR: features usable with a complete Q node 5.5 AMR network or with Q gateway 5.5 direct
Q walk-by: requirement for readout: Q tool + Q app or Q log 5.5 + current version of ACT46

Please note: Supplied in batches of 10 pieces.

Product description	Group	Qty.	Part no.	Price (€)
Q module 5.5 heat, C-Mode (Q walk-by + Q AMR)	5U	1	RHM5**00AT**0000 Z0000	**120,49**

NOTE: In view of current market developments and the associated requirements in terms of system compatibility and interoperability, we no longer print S-Mode radio devices in the price list. Of course, you can still order S-Mode devices via our portal or internal service if required. See also the respective article number matrix.

S MODE

6.3 | Radio Pulse Adapter

Q pulse

Radio- impulse adapter for the integration of consumption meters with impulse output into a Q AMR system

Image similar

suitable for meters with impulse output from various manufacturers; one impulse input connectable; water meters, heat meters, heat/cooling meters etc. with impulse output and electricity meters with S0 interface can be integrated
(pulse converter may be required)

with NFC interface for easy parameterisation via software

tamper detection if the pulse pick-up is interrupted or short-circuited (4-core cable)

C MODE

Communication: Radio Q AMR

Product description	Group	Qty.	Part no.	Price (€)
Q pulse R C-Mode (Q AMR)	B1	1	RPAH**00WH**1A00 00W00	**82,90**

7 | Further system components data readout Q AMR

7.1 | Q node 5.5 - Network nodes

Communication: Q AMR S-Mode + C-Mode

The network node Q node 5.5 receives, stores and distributes the consumption data of the QUNDIS measuring devices in S-Mode and C-Mode. Additionally the Q node 5.5 supports the reception and transmission of AES encrypted data telegrams for QUNDIS Q AMR C-Mode metering devices.

Due to the backwards compatibility with the Q node 5 and the WTT16... mixed operation is possible for S-Mode systems.

Q gateway 5 can be used for remote readout of Q AMR networks.

Local readout possible through the USB programming adapter RNNP-H001-0010 or through the M-bus interface and, in the RNN5-000M-1104 04000 version, also through the RS232 interface.

Please Note: Q heat 5.5 US devices (C-Mode) - see picture - cannot be received by Q node 5.5, remote readout possible by Q gateway 5.5 direct.

Product description	Group	Qty.	Part no.	Price (€)
Q node 5.5 with battery supply	5X	1	RNN5**010M**0004 04000	**409,40**
Q node 5.5 with power supply and RS232 interface	5X	1	RNN5**010M**1104 04000	**568,26**

7 | Further system components data readout Q AMR

7.2 | Q gateway 5 - Gateways

Communication: Q AMR

The function of the Q gateway 5 is the remote readout of a Q AMR network, combining fully automatic remote data readout operations with the monitoring of metering devices and the overall system. The Q gateway 5 can read out up to 2.500 metering devices and multiple AMR networks. Data transmission is by mobile communication (GPRS/EDGE/UMTS/HSPA). The Q gateway 5 is supplied ex works with a SIM card. All administrative and data recording operations are managed via the QUNDIS Smart Metering Platform (Q SMP).

Important note: The Q gateway 5 is ony sold in combination with the booking of a QUNDIS Gateway Service Contract (GSD) for a minimum contractual period of five years. If the tariff includes AES decryption, this functionality can be cancelled annually at the end of a contract year. It is also possible to switch from an existing tariff to the tariff including decryption functionality.

Please note! Excluded from repurchase.

Version in degree of protection IP42

Product description		Tariff	Group	Qty.	Part no.	Price (€)
Data supply 2 x per month						
Q gateway 5 **V3.0** with battery supply with tariff		QGW-A-024-0000	5Y	1	RNG5**N02R**2180 13000	**632,03**
Q gateway 5 **V3.0** with battery supply with tariff incl. Q SMP- decryption		QGW-A-024-1000	5Y	1	RNG5**N02R**2180 1300M	**632,03**
Q gateway 5 **V3.0** with power supply with tariff (e.g. for daily readout)		QGW-A-024-0000	5Y	1	RNG5**N02R**1180 13000	**745,91**
Data supply 1 x per week						
Q gateway 5 **V3.0** with battery supply with tariff		QGW-A-052-0000	5Y	1	RNG5**N02R**2180 13001	**632,03**
Q gateway 5 **V3.0** with battery supply with tariff incl. Q SMP- decryption		QGW-A-052-1000	5Y	1	RNG5**N02R**2180 1300X	**632,03**
Data supply daily						
Q gateway 5 **V3.0** with power supply with tariff		QGW-A-365-0000	5Y	1	RNG5**N02R**1180 13002	**745,91**
Q gateway 5 **V3.0** with power supply with tariff incl. Q SMP- decryption		QGW-A-365-1000	5Y	1	RNG5**N02R**1180 1300Y	**745,91**

Version in degree of protection IP65

Product description		Tariff	Group	Qty.	Part no.	Price (€)
Data supply 2 x per month						
Q gateway 5 **V3.0** with battery supply with tariff		QGW-A-024-0000	5Y	1	RNG5**N01R**2180 13000	**688,97**

More on request.

7.2.1 | Overview of tariffs Gateway Service Description (GSD) for Q gateway 5

Product description	Qty.	Part no.	Price (€) / year
data supply - **twice per month**	1	QGW-A-024-0000	**65,88**
data supply - **twice per month incl. Q SMP- decryption**	1	QGW-A-024-1000	**77,88**
data supply - **once a week**	1	QGW-A-052-0000	**83,88**
data supply - **once a week incl. Q SMP- decryption**	1	QGW-A-052-1000	**95,88**
data supply - **daily**	1	QGW-A-365-0000	**143,88**
data supply - **daily incl. Q SMP- decryption**	1	QGW-A-365-1000	**155,88**

You will find the corresponding descriptions of features in our customer portal.

Communication: Q AMR C-Mode

The **Q gateway 5.5 direct** receives data of all **QUNDIS metering devices in C Mode** as well as **wM-Bus compatible, unidirectional meters in C- and T Mode from other manufacturers** within the direct reception range.
Data transmission is via mobile radio (GPRS/EDGE/UMTS/HSPA). The Q gateway 5.5 direct is equipped and delivered ex works with a SIM card. All administrative and data acquisition tasks are performed via the QUNDIS Smart Metering Platform (Q SMP).

Important note: The Q gateway 5.5 direct is only sold in combination with the booking of a QUNDIS Gateway Service Contract (GSD) with a minimum contractual period of five years. If the tariff includes AES decryption, this functionality can be cancelled annually at the end of a contract year. It is also possible to switch from an existing tariff to the tariff including decryption functionality.
Please note! Excluded from repurchase.

Version in degree of protection IP42

Product description	Tariff	Group	Qty.	Part no.	Price (€)
Data supply 1 x per month					
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 250 measuring devices	QGW-D-012-0000	5Z	1	RNG5**002T**3180 13008	**785,77**
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 250 measuring devices and incl. Q SMP- decryption	QGW-D-012-1000	5Z	1	RNG5**002T**3180 1300N	**785,77**
Data supply 2 x per month					
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 400 measuring devices	QGW-D-024-0000	5Z	1	RNG5**002T**3180 1300A	**785,77**
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 400 measuring devices and incl. Q SMP- decryption	QGW-D-024-1000	5Z	1	RNG5**002T**3180 1300O	**785,77**
Data supply daily					
Q gateway 5.5 direct **V3.0** with power supply with tariff for maximum 250 measuring devices	QGW-D-365-0000	5Z	1	RNG5**002T**1180 13009	**896,81**
Q gateway 5.5 direct **V3.0** with power supply with tariff for maximum 250 measuring devices and incl. Q SMP- decryption	QGW-D-365-1000				**on request**

Version in degree of protection IP65

Product description	Tariff	Group	Qty.	Part no.	Price (€)
Data supply 1 x per month					
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 250 measuring devices	QGW-D-012-0000	5Z	1	RNG5**001T**3180 13008	**842,71**
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 250 measuring devices and incl. Q SMP- decryption	QGW-D-012-1000	5Z	1	RNG5**001T**3180 1300N	**842,71**
Data supply 2 x per month					
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 400 measuring devices	QGW-D-024-0000	5Z	1	RNG5**001T**3180 1300A	**842,71**
Q gateway 5.5 direct **V3.0** with battery supply with tariff for maximum 400 measuring devices and incl. Q SMP- decryption	QGW-D-024-1000	5Z	1	RNG5**001T**3180 1300O	**842,71**

7 | Further system components data readout Q AMR

7.2.2 | Overview of tariffs Gateway Service Description (GSD) for Q gateway 5.5 direct

Product description	Qty.	Part no.	Price (€) / year
Data supplied **1 x per month** - max. 12 device scans per year / readout of max. 250 metering devices	1	QGW-D-012-0000	**17,88**
Data supplied **1 x per month** - max. 12 device scans per year / readout of max. 250 metering devices - incl. Q SMP- decryption	1	QGW-D-012-1000	**29,88**
Data supplied **2 x per month** - max. 24 device scans per year /readout of max. 400 metering devices	1	QGW-D-024-0000	**38,28**
Data supplied **2 x per month** - max. 24 device scans per year / readout of max. 400 metering devices - incl. Q SMP- decryption	1	QGW-D-024-1000	**50,28**
Data supplied **daily** - max. 365 device scans per year / readout of max. 250 metering devices	1	QGW-D-365-0000	**58,68**
Data supplied **daily** - max. 365 device scans per year / readout of max. 250 metering devices - incl. Q SMP- decryption	1	QGW-D-365-1000	**70,68**

You will find the corresponding descriptions of features in our customer portal.

7 | Further system components data readout Q AMR

7.3 | The Gateway-Tariff-Solution for small Q AMR systems (max. 120 devices)

- Readout of max. 120 metering devices from one (1) Q AMR network
- Data delivery 1 x per month (tariff: QGW-A-012-0000) for an annual price of € 33.00
- Upgrade to standard tariff possible if max. number of devices is exceeded
- Minimum contract period 5 years

Please note! Gateway excluded from repurchase.

Version in degree of protection IP 42

Product description		Group	Qty.	Part no.	Price (€)
Data supply 1 x per month					
Q gateway 5 **V3.0** (battery supply) with tariff for maximum 120 measuring devices	QGW-A-012-0000	5Y	1	RNG5**N02R**2180 1300H	**632,03**
Q gateway 5 **V3.0** (battery supply) with tariff for maximum 120 measuring devices incl. Q SMP-decryption	QGW-A-012-1000				**on request**

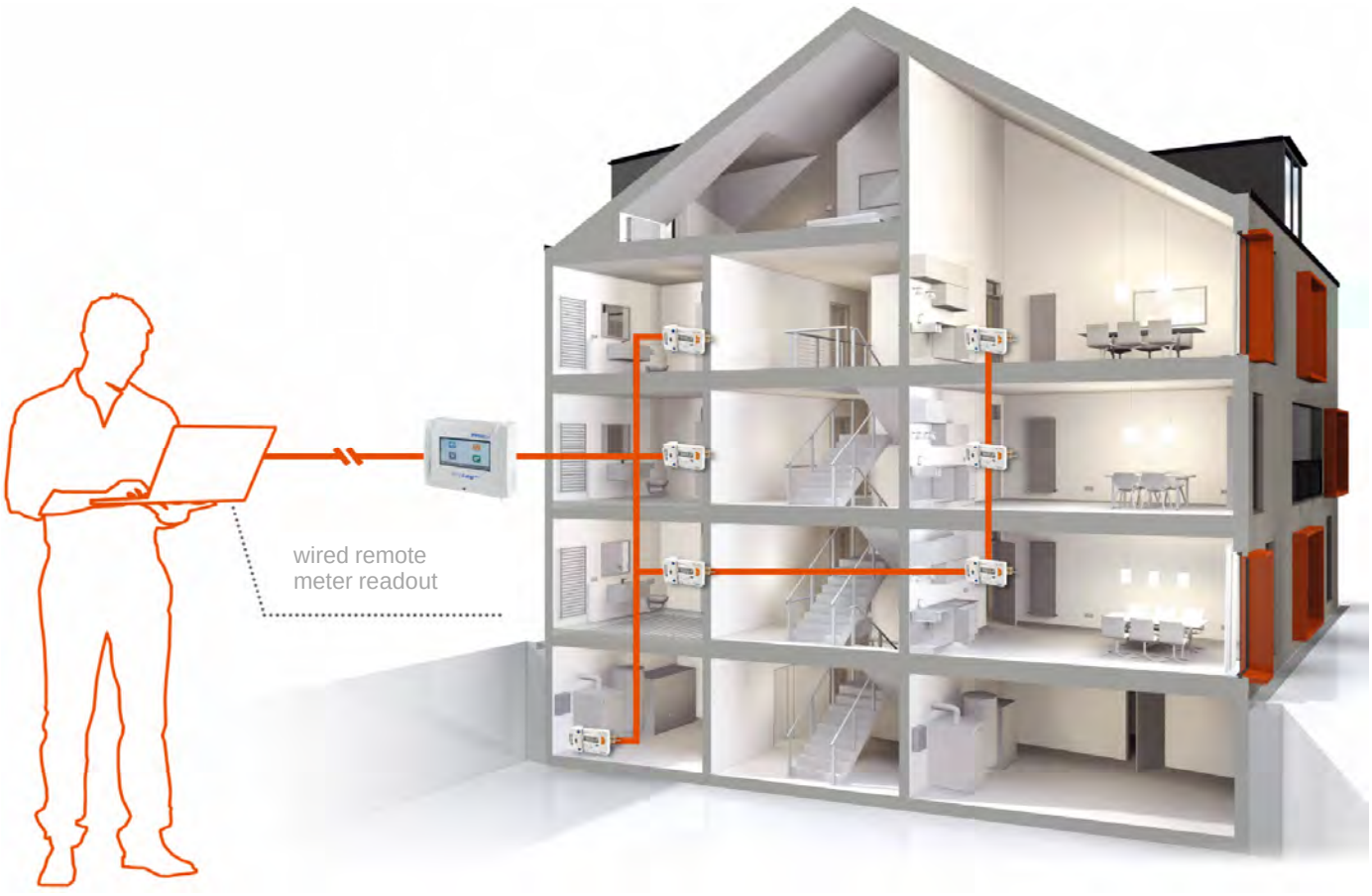
7.3.1 | Overview of tariffs Gateway Service Description (GSD) refering to 7.3

Product description	Group	Qty.	Part no.	Price (€)
Data supply 1 x per month only together with solution package for small Q AMR systems (refering 7.3)		1	QGW-A-012-0000	**33,00**
Data supply 1 x per month incl. Q SMP- decryption only together with solution package for small Q AMR systems (refering 7.3)		1	QGW-A-012-1000	**45,00**

You will find the corresponding descriptions of features in our customer portal.

8 | Further system components data readout Q M-Bus

Q M-Bus systems are used for recording consumption data primarily from heat meters and water meters. Compared to radio systems, wired systems make sense wherever meters have to transmit instantaneous values or where a few meters for central recording are spread over a large area. In addition to the actual meters for heat and water, QUNDIS also supplies impulse input modules that provide data from devices with an impulse output for the Q M-Bus system. Central units, level converters and remote displays round off the product range.



8 | Further system components data readout Q M-Bus

8.1 | Q module - M-Bus - Add-on module for mechanical water meter

M-Bus-modul for mechanical water meters of type MODULARIS
(suitable for mechanical water meters of type WEH, MAD SJ EVO or Q water domestic)

Product description	Group	Qty.	Part no.	Price (€)
M-Bus-add-on module	MK	1	MWMH**0002**0000 Z0V10	**59,26**

8.2 | Q module - M-Bus - Add-on modules for heat meters

M-Bus modul for heat meter
suitable for heat meters of the series
- Q heat 5
- Q heat 5.5 (except Q heat 5.5 US)
- R 20/21 calculator units

Product description	Group	Qty.	Part no.	Price (€)
M-Bus-add-on module	MK	1	MHM5**00A2**0000 00000	**67,36**
M-Bus-add-on module with extended data telegram	MK	1	MHM5**00A2**0000 02000	**67,36**

8.3 | Q pulse - M-Bus - Impulse input module

M-Bus impulse adapter
suitable for meters with impulse output from various manufacturers; two pulse inputs can be connected; with M-Bus interface for simple parameterization via software

Water meters, heat meters, heat/cooling meters etc. with impulse output as well as electricity meters with S0 interface can be integrated (pulse converter may be required).

Product description	Group	Qty.	Part no.	Price (€)
Q pulse M-Bus	B1	1	MPAH**00R2**2000 00R00	**64,00**

Application Software and Service Tools

Application Software and Service Tools can be found in our digital accessories price list (PDF) at www.qundis.com in the section „service/downloads-and-information/product-information“ and in Excel format in our customer portal.

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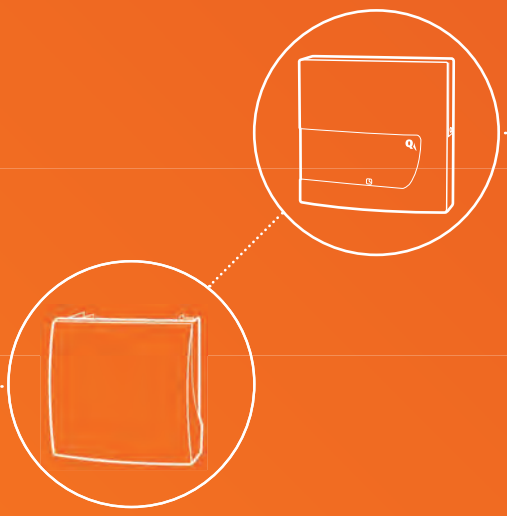

QUNDIS GmbH
Sonnentor 2
99098 Erfurt/Deutschland
+49 361 26 280-0
+49 361 26 280-175
info@qundis.com

www.qundis.com

Member of
noventic group