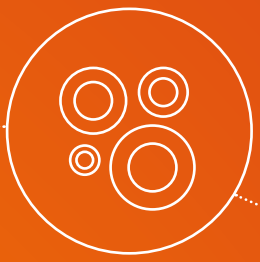
QUNDIS™
ADVANCED MEASURING SOLUTIONS.



Price list 2017
Accessories

Product range

Chapter	Chapter name	Page
1	**Heat cost allocator Q caloric**	
1.2	▪ New installation - Standard exchange - Conversion installation (P3 + AL2)	4
1.3	▪ Repair - Extension installation (P2 + AL2)	6
1.4	▪ Repair - Extension installation (P3 + AL3)	6
1.5	▪ Repair - Extension installation (P3 + AL4)	7
1.6	▪ Installation material / accessories	8
2	**Compact Heat meters Q heat**	
2.1	▪ Installation material / accessories	12
3	**Split heat meter Q heat splitt**	
3.1	▪ Installation material (installation sets)	18
4	**Water meters Q water**	
4.1	▪ Installation material for water meters - screw-type	21
4.2	▪ Installation material for water meters - measuring capsule	22
4.3	▪ Installation material for water meters - valve / bath meters	24
5	**Smoke detector Q smoke**	
5.1	▪ Installation material	25
6	**Modules**	
6.1	▪ Accessories	26
7	**Network nodes**	
7.1	▪ Accessories	27
8	**User Software and Service Tools**	
8.1	▪ Q caloric	28
8.2	▪ Q heat	29
8.3	▪ Q water	31
8.4	▪ Q walk-by	33
8.5	▪ Q AMR	35
8.6	▪ Q M-Bus	36
9	**Further system components Q M-Bus**	
9.1	▪ Central unit, level converter, remote display, repeater	37
10	**Test fees, services**	
10.1	▪ Testing fee / comparative measurement, reference test / findings tests	39
10.2	▪ Fixed costs conformity assessment, costs for calibrations	39
10.3	▪ Services, others	40

You can find our general terms and conditions on www.qundis.com
Subject to error and change. Previous price lists lose their validity.

1 Heat cost allocator

Q caloric

1.2 New installation - Standard exchange - Conversion installation (P3 + AL2)

The heat cost allocators listed below are for installation in new systems (no attachment parts available on the radiator), 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, further parameter setting options are possible on request or can be activated directly on site / can be changed using software Q suite 5

Q caloric 5.5 - Communication Q basic

Q basic

Metering technology compatible with Q caloric 5, mixed operation is permitted!
Metering technology NOT compatible with WHE3, mixed operation is NOT permitted!

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, DD = 31.12.	5C	1	HCA5-0032-A1A0 00000	22,00
2-sensor measuring principle	K = 60, DD = 31.12.	5C	1	HCA5-0032-B3C0 00000	23,55

Q caloric 5.5 - Communication Q opto (IrDA-interface)

Q opto

Metering technology compatible with Q caloric 5, mixed operation is permitted!
Metering technology NOT compatible with WHE3, mixed operation is NOT permitted!

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	K = 26, DD = 31.12.	5E	1	HCA5-0035-A1A0 00000	28,20
2-sensor measuring principle	K = 60, DD = 31.12.	5E	1	HCA5-0035-B3C0 00000	29,75

1 Heat cost allocator

Q caloric

1.2 New installation - Standard exchange - Conversion installation (P3 + AL2)

Q caloric 5.5 - Communication: Radio / S-mode

Q walk-by und Q AMR

S-Mode features
- parallel transmission of walk-by and AMR data telegrams
- walk-by: 48 days per year, 10 hours a day
- AMR: every 4 hours, 24 hours a day
- delayed transmission (offset) or transmission-free days possible with walk-by
- switch from S to C mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Radio transmission compatible with Q caloric 5, mixed operation possible!
Metering technology NOT compatible with WHE4, mixed operation NOT possible!

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	K = 60, DD = 31.12.	5F	1	HCA5-0036-B3C0 00000	54,05
2-sensor measuring principle + IrDA	K = 60, DD = 31.12.	5F	1	HCA5-003N-B3C0 00000	60,25

Q caloric 5.5 - Communication: Radio / C-mode

Q walk-by und Q AMR

C-Mode features
- parallel transmission of walk-by and AMR data telegrams in accordance with the OMS standard
- walk-by: 365 days per year, 10 hours a day (read-out requirements: Q log 5.5 + current ACT46)
- AMR: every 7.5 minutes, 24 hours a day (read-out requirements: C-Mode-capable Q node 5 + Q gateway 5)
- enhanced transmission performance up to 10 dbm
- switch from C to S mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Radio transmission not compatible in C-Mode with Q caloric 5 for AMR installations,
Mixed operations possible with walk-by operations (read-out requirements: Q log 5.5 + current ACT46)!
Metering technology NOT compatible with WHE4, mixed operation is NOT permitted!

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	K = 60, DD = 31.12.	5F	1	HCA5-0038-B3C0 00000	54,05
2-sensor measuring principle + IrDA	K = 60, DD = 31.12.	5F	1	HCA5-003T-B3C0 00000	60,25

Other Q caloric parameter setting variants are available on request.

1 Heat cost allocator

Qcaloric

1.3 Repair - Extension installation (P2 + AL2)

For repair and extension installation use the same heat cost allocators as for new installation, standard exchange and conversion installation with P2 and AL2.

Suitable heat cost allocators see device price list (chapter 1, from page 2).

1.4 Repair - Extension installation (P3 + AL3)

Q caloric 5.5 - Communication Q basic

Qbasic

Metering technology compatible with Q calric 5 + WHE3, mixed operation is permitted!

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	replacement for Q caloric 5 + WHE30	5C	1	HCA5-0032-E000 0A000	22,00
2-sensor measuring principle	replacement forQ caloric 5 + WHE30Z	5C	1	HCA5-0032-C000 0A000	23,55

Q caloric 5.5 - Communication Q opto (IrDA-interface)

Qopto

Metering technology compatible with Q calric 5 + WHE3, mixed operation is permitted!

Product description		Group	Qty.	Part no.	Price (€)
1-sensor measuring principle	replacement for Q caloric 5 + WHE37	5E	1	HCA5-0035-E000 0A000	28,20
2-sensor measuring principle	replacement for Q caloric 5 + WHE37Z	5E	1	HCA5-0035-C000 0A000	29,75

1 Heat cost allocator

Q caloric

1.5 Repair - Extension installation (P3 + AL4)

Q caloric 5.5 - Communication: Radio / S-mode

Q walk-by und Q AMR

S-Mode features
- parallel transmission of walk-by and AMR data telegrams
- walk-by: 48 days per year, 10 hours a day
- AMR: every 4 hours, 24 hours a day
- delayed transmission (offset) or transmission-free days possible with walk-by
- switch from S to C mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Radio transmission compatible with Q caloric 5, mixed operation possible!
Metering technology compatible with WHE4, mixed operation possible!

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	replacement for Q caloric 5 / WHE465Z / WHE460Z	5F	1	HCA5-0036-D000 0A000	54,05
2-sensor measuring principle + IrDA	replacement for Q caloric 5 + WHE467Z	5F	1	HCA5-003N-D000 0A000	60,25

Q caloric 5.5 - Communication: Radio / C-mode

Q walk-by und Q AMR

C-Mode features
- parallel transmission of walk-by and AMR data telegrams in accordance with the OMS standard
- walk-by: 365 days per year, 10 hours a day (read-out requirements: Q log 5.5 + current ACT46)
- AMR: every 7.5 minutes, 24 hours a day (read-out requirements: C-Mode-capable Q node 5 + Q gateway 5)
- enhanced transmission performance up to 10 dbm
- switch from C to S mode possible
- re-parameterisation from 2-sensor to 1-sensor device possible

Radio transmission not compatible in C-Mode with Q caloric 5 for AMR installations,
Mixed operations possible with walk-by operations **(read-out requirements: Q log 5.5 + current ACT46)!**
Metering technology NOT compatible with WHE4, mixed operation is NOT permitted!

Product description		Group	Qty.	Part no.	Price (€)
2-sensor measuring principle	replacement for Q caloric 5 +WHE465Z + WHE460Z	5F	1	HCA5-0038-D000 0A000	54,05
2-sensor measuring principle + IrDA	replacement for Q caloric 5 + WHE467Z	5F	1	HCA5-003T-D000 0A000	60,25

1 Heat cost allocator

Q caloric

1.6 Installation material (Installation sets for compact devices - only for P2)

Complete installation sets for compact devices, individually packet.
Only for P2-housing available.

For installing the heat cost allocator Q caloric 5.5 on the respective radiator type.

Product description	Group	Qty.	Part no.	Price (€)
Ribbed radiator, division > 40 mm	5D	1	HCAI-K001 001	2,00
Ribbed radiator, division = < 40 mm	5D	1	HCAI-K001 002	8,35
Cast radiator, division 20/40 mm	5D	1	HCAI-K001 003	4,85
End faces cast radiator	5D	1	HCAI-K001 004	3,30
Cast ribbed radiator type KR	5D	1	HCAI-K001 005	2,50
Ribbed radiator, with clearance > 40 mm	5D	1	HCAI-K001 006	6,70
Panel radiator, flat front	5D	1	HCAI-K001 007	1,65
Panel radiator, vertical profiles	5D	1	HCAI-K002 001	1,65
Panel radiator with convention plate on the front	5D	1	HCAI-K002 004	13,40
Bathroom radiator, collector on one side	5D	1	HCAI-K003 005	1,95
Aluminium ribbed radiator	5D	1	HCAI-K004 001	1,60
Radiator with internal tube register, deep water channel	5D	1	HCAI-K006 002	8,20
Radiator with internal tube register, horizontal water flow	5D	1	HCAI-K006 003	1,60
Profile radiators	5D	1	HCAI-K007 001	2,70
Flat tube radiator	5D	1	HCAI-K007 003	8,70
Window ledge radiators	5D	1	HCAI-K007 004	2,80

1.6 Installation material (Installation sets for remote sensor devices)

Complete installation sets for remote sensor devices, individually packet

For mounting heat cost allocators Q caloric on the wall and installing remote sensors on the respective radiator type.

Product description	Group	Qty.	Part no.	Price (€)
Wall bracket P2	5D	1	HCAI-K010 0P2	1,80
Wall bracket P3	5D	1	HCAI-K010 0P3	1,80
Remote sensor complete, 1.5 m	5D	1	HCAI-K010 0S1	10,85
Remote sensor complete, 2.5 m	5D	1	HCAI-K010 0S2	12,90
Remote sensor complete, 5.0 m	5D	1	HCAI-K010 0S5	18,60
Sensor attachment for ribbed radiator, division > 40 mm	5D	1	HCAI-K010 001	12,50
Sensor attachment for ribbed radiator, division = < 40 mm	5D	1	HCAI-K010 002	18,90
Sensor attachment for cast radiator type SR	5D	1	HCAI-K010 003	12,50
Sensor attachment for cast radiator type RR, KR	5D	1	HCAI-K010 004	13,85
Sensor attachment for panel radiator	5D	1	HCAI-K010 005	1,00
Sensor attachment for aluminium ribbed radiator	5D	1	HCAI-K010 010	0,95
Sensor attachment for ribbed convectors	5D	1	HCAI-K010 012	4,40
Sensor attachment for window ledge radiators	5D	1	HCAI-K010 013	13,25
Sensor attachment for profile radiators	5D	1	HCAI-K010 014	13,15

1 Heat cost allocator

Q caloric

1.6 Installation material (individual parts for compact and remote sensor devices)

Individual installation parts for compact and remote sensor devices.

For installing the heat cost allocator Q caloric 5.5 or remote sensor on the respective radiator type.

Product description		Group	Qty.	Part no.	Price (€)
Attachment parts					
Threaded hoop (pipe 18 to 30 mm)	for P2 and P3	5D	10	FKT0014/QU	46,00
Threaded hoop (pipe up to 17 mm)	for P2 and P3	5D	10	FKT0004/QU	21,50
Shank nut M3 x 3	for P2 and P3	5D	100	FNM0002/QU	20,00
Shank nut M3 x 6	for P2 and P3	5D	100	FNM0003/QU	25,00
Shank nut M3 x 9.5	for P2 and P3	5D	100	FNM0001/QU	30,00
Clamping sleeve special radiator	for P2 and P3	5D	10	FKM0002/QU	33,00
Clamping bracket (pipes TE 36 mm)	for P2 and P3	5D	50	FKT0015/QU	25,00
Clamping bracket (pipes TE 46 mm)	for P2 and P3	5D	50	FKT0016/QU	62,50
Clamping bracket shortened	for P2 and P3	5D	50	FKT0009/QU	105,00
Clamping bracket trapezoidal 35 mm	for P2 and P3	5D	50	FKT0018/QU	22,50
Clamping bracket trapezoidal 50 mm	for P2 and P3	5D	50	FKT0019/QU	32,50
Clamping bracket trapezoidal 65 mm	for P2 and P3	5D	50	FKT0020/QU	45,00
Expanding bracket for lamella-type radiator	for P2 and P3	5D	10	FKA0004/QU	2,50
Square bolt 4.5 mm with cross pin	for P2 and P3	5D	10	BOZ4002/QU	8,50
Square bolt 6 mm with cross pin	for P2 and P3	5D	10	BOZ4003/QU	9,50
Square bolt 12 mm with cross pin	for P2 and P3	5D	10	BOZ4004/QU	14,00
Installation parts					
Spacer sleeve	for P2 and P3	5D	10	FKT0010/QU	5,00
Spacer	for P2 and P3	5D	10	FKA0013/QU	22,00
Clamping piece (threaded hoop 17 mm)	for P2 and P3	5D	10	FKA0003/QU	13,00
Clamping piece (threaded hoop 18 to 30 mm)	for P2 and P3	5D	10	FKA0008/QU	17,00
Installation plate for remote sensor	for P2 and P3	5D	10	FKA0009/QU	111,50
Prism	for P2 and P3	5D	10	FKA0001/QU	47,50
Threaded bushing	for P2	5D	10	FKA0012/QU	5,50
Contact screw	for P2	5D	10	FKA0010/QU	11,00
Contact screw long	for P2	5D	10	FKA0011/QU	26,00
Installation plate P2 standard	for P2	5D	50	FKA0005/QU	32,50
Installation plate P3 standard	for P3	5D	50	FKA0017/QU	37,50
Installation plate P3 wide	for P3	5D	25	FKA0022/QU	27,50
Installation plate P3 (France) 7 holes	for P3	5D	50	FKA0025/QU	57,50
Standard parts					
Self-tapping screw B 2.9 x 13	for P2 and P3	5D	500	FNR0008/QU	15,00
Self-tapping screw B 3.9 x 45	for P2 and P3	5D	500	FNR0007/QU	15,00
Cross-slot screw M4 x 30	for P2 and P3	5D	500	FNR0003/QU	15,00
Cross-slot screw M4 x 40	for P2 and P3	5D	500	FNR0004/QU	15,00
Cross-slot screw M4 x 50	for P2 and P3	5D	500	FNR0005/QU	15,00
Cross-slot screw M4 x 70	for P2 and P3	5D	500	FNR0006/QU	30,00
Welding stud M3 x 8	for P2 and P3	5D	1.000	FKT0013/QU	30,00
Welding stud M3 x 12	for P2 and P3	5D	1.000	FKT0011/QU	30,00
Welding stud M3 x 15	for P2 and P3	5D	1.000	FKT0012/QU	30,00
Hexagon nut M4	for P2 and P3	5D	100	FNM0004/QU	3,00
Self-locking nut with serrated bearing M3	for P2 and P3	5D	1.000	FNM0005/QU	30,00

1 Heat cost allocator

Q caloric

1.6 Installation material (individual parts for compact and remote sensor devices)

Product description		Group	Qty.	Part no.	Price (€)
Further accessories					
Safety cap for sensor housing for remote sensor	for P2 and P3	5D	50	FKK0045/QU	25,00
Grommet M4	for P2 and P3	5D	1	FNC0001	0,03
Ergo second glue (3g)	for P2 and P3	5D	1	FSS0007	5,15
Lead seal P2 blue	for P2	5D	100	FKK0037/QU	15,00
Lead seal P3 blue	for P3	5D	100	FKK0041/QU	15,00

1.6 Accessories for heat cost allocators

Radio reference transmitter - demo transmitter (for AMR systems)

is a test transmitter for the receipt of radio AMR telegrams (S-mode) in connection with the PC radio module (also available in set with PC radio modul, see chapter 8.5)

Product description	Group	Qty.	Part no.	Price (€)
Radio reference transmitter - demo transmitter	5D	1	HCA5-0D0D-0000 Z0000	60,25

System-Manual Q caloric

System description and mounting instructions for electronic heat cost allocator Q caloric.

Product description	Group	Qty.	Part no.	Price (€)
System-Manual P2	5D	1	LSM5-00CA-GB0 SHBP2	25,00
System-Manual P3	5D	1	LSM5-00CA-GB0 SHBP3	25,00

Installation template

For the simple and safe marking of the installation position at 75% or 50% of the radiator height.

Suitable for compact and remote sensor devices as well as 20x and WHEx.

Product description	Group	Qty.	Part no.	Price (€)
Installation template for holding against the radiator	5D	1	HCAI-P001 001	98,15

Product description	Group	Qty.	Part no.	Price (€)
Installation aid for convector installation	5D	1	FKT0017	25,95

Product description	Group	Qty.	Part no.	Price (€)
Dismantling tool for remote sensor (Q caloric)	5D	1	HCAI-P002 001	23,50

1.6 Installation material for heat cost allocators (individual parts)

Snap-on panel (asymmetrical)

For covering signs of use of old heat cost allocators on the radiator. Can be snapped onto the heat cost allocator Q caloric 5, covers discolouring and welding bolt residue.

Approved for smooth and profiled panel-type radiators.

Product description	Group	Qty.	Part no.	Price (€)
Snap-on panel	5D	50	FKK0034/QU	40,00

Cable channel

Self-adhesive white cable channel for routing the remote sensor cable.

Product description	Group	Qty.	Part no.	Price (€)
Cable channel white, 2m per piece	5D	1	FOZ0001	7,40

2 Compact heat meters

Qheat

2.1 Installation material (installation set)

Direct measurement installation set with screw connected ball valves and supply flow ball valve with temperature sensor receptacle for all compact heat meters with QDS-flow sensor (screw-type meter) comprising ball valve with temperature sensor receptacle M10x1 for the supply flow, screw connected ball valves for return flow and seals

Please order flushing tubes separately.

Product description		Group	Qty.	Part no.	Price (€)
QDS-installation set R 1/2" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K001 001	25,30
QDS-installation set R 3/4" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K001 002	32,60
QDS-installation set R 1" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K001 003	56,30
QDS-installation set R 1" x G 1"	for qp = 2.5 m³/h	5G	1	HMXI-K001 004	44,70
QDS-installation set R 3/4" x G 1"	for qp = 2.5 m³/h	5G	1	HMXI-K001 005	35,70

* Not suitable for heat meters with installation length 80 mm.

For these meters please select the installation material (individual parts) from page 14.

Direct measurement installation set with standard screw fittings and supply flow ball valve with temperature sensor receptacle for all compact heat meters with QDS-flow sensor (screw-type meter), comprising ball valve with temperature sensor receptacle M10x1 for the supply flow, screw fittings for return flow and seals

Please order flushing tubes separately.

Product description		Group	Qty.	Part no.	Price (€)
QDS-installation set R 1/2" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K002 001	13,50
QDS-installation set R 3/4" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K002 002	29,00
QDS-installation set R 1" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXI-K002 003	43,20
QDS-installation set R 1" x G 1"	for qp = 2.5 m³/h	5G	1	HMXI-K002 004	42,50
QDS-installation set R 3/4" x G 1"	for qp = 2.5 m³/h	5G	1	HMXI-K002 005	23,70

* Not suitable for heat meters with installation length 80 mm.

For these meters please select the installation material (individual parts) from page 14.

2 Compact heat meters

Q heat

2.1 Accessories

Wall bracket Q heat 5 for the mounting of the calculator unit on the wall

Only suitable for heat meters with removable calculator unit (HMR5)

Product description	Group	Qty.	Part no.	Price (€)
Wall bracket Q heat 5	5G	1	HMRI-K001 001	4,50

Product description	Group	Qty.	Part no.	Price (€)
M-Bus replacement cable for Q heat 5 M-Bus / impuls-IN (3 m)	5G	1	FKL0012	8,00
impuls-IN replacement cable for Q heat 5 M-Bus / impuls-IN (1 m)	5G	1	FKL0013	6,00

Adjustable hook spanner for mounting and removing of capsule meters

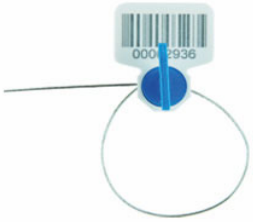
Also suitable for water meters

Product description	Group	Qty.	Part no.	Price (€)
Hook spanner	5G	1	HMXI-P002 001	37,50

Temperature sensor screwed connection

Product description	Group	Qty.	Part no.	Price (€)
Temperature sensor screwed connection 5.0 and 5.2 mm - brass	5G	1	HMXI-K004 001	1,50

Heat meter seal



Product description	Group	Qty.	Part no.	Price (€)
Heat meter seal 250 mm	5G	1	FNS0001	0,40
Temperature sensor accessory set for 5.0 and 5.2 mm temperature sensors, consisting of a screw fitting, O-ring and seal	5G	1	BOZ5005	1,85

2 Compact heat meters

Qheat

2.1 Installation material (individual parts)

Supply flow ball valve for direct measurement for all heat meters,
suitable for temperature sensors 5.0 and 5.2 mm and acc. to AGFW:
ball valve with inside thread on both sides and temperature sensor receptacle M10x1

Product description	Group	Qty.	Part no.	Price (€)
Supply flow ball valve R 1/2"	5G	1	FKM0023	6,50
Supply flow ball valve R 3/4"	5G	1	FKM0024	8,75
Supply flow ball valve R 1"	5G	1	FKM0025	14,25

Return flow ball valve for all heat meters:
Ball valves with inside thread on one-side and union nut

Seals are not included in the scope of supply, please order separately.

Product description		Group	Qty.	Part no.	Price (€)
Return flow ball valve R 1/2" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0027	8,60
Return flow ball valve R 3/4" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0077	11,15
Return flow ball valve R 1" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0029	13,70
Seal 2 mm, G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKS0005	0,15
Return flow ball valve R 3/4" x G 1"	for qp = 2.5 m³/h	5G	1	FKM0030	10,10
Return flow ball valve R 1" x G 1"	for qp = 2.5 m³/h	5G	1	FKM0031	14,40
Seal 2 mm, G 1"	for qp = 2.5 m³/h	5G	1	FKS0006	0,20

Return flow ball valve for direct measurement for all heat meters with 80 mm installation length, suitable for temperature sensors 5.0 and 5.2 mm and acc. to AGFW:
Ball valve with inside thread on one-side and union nut als well as temperature sensor receptacle M10x1

Seals are not included in the scope of supply, please order separately.

Product description		Group	Qty.	Part no.	Price (€)
Return flow ball valve R 1/2" x G 3/4"	for qp = 1.5 m³/h	5G	1	FKM0026	10,70
Seal 2 mm, G 3/4"	for qp = 1.5 m³/h	5G	1	FKS0005	0,15

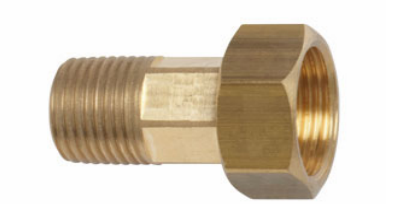
2 Compact heat meters

Qheat

2.1 Installation material (individual parts)

Screwed connections for all heat meters:
Screwed connections with outside thread on one-side and union nut.

Seals are not included in the scope of supply, please order separately.



Product description		Group	Qty.	Part no.	Price (€)
Screwed connection R 1/2" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0018	2,75
Screwed connection R 3/4" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0019	9,35
Screwed connection R 1" x G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0020	13,70
Seal 2 mm, G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKS0005	0,15
Screwed connection R 3/4" x G 1"	for qp = 2.5 m³/h	5G	1	FKM0021	6,60
Screwed connection R 1" x G 1"	for qp = 2.5 m³/h	5G	1	FKM0022	13,25
Seal 2 mm, G 1"	for qp = 2.5 m³/h	5G	1	FKS0006	0,20

Flushing tubes for all heat meters:
Flushing tube with outside thread on both sides, brass

similar image

Product description		Group	Qty.	Part no.	Price (€)
Flushing tube 80 mm, G 3/4"	for qp = 1.5 m³/h	5G	1	FKM0070	4,50
Flushing tube 110 mm, G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0074	4,95
Flushing tube 130 mm, G 1"	for qp = 2.5 m³/h	5G	1	FKM0075	8,60

Adapter - and Extension sets for the replacement of heat meters made by other manufacturers:
For the adapting of the thread size and/or to adapting of the installation length, including seals

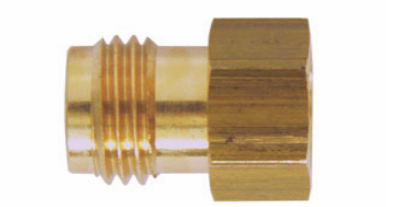
Product description		Group	Qty.	Part no.	Price (€)
Adapter set G 3/4" x G 1"		5G	1	HMXI-K003 001	4,70
Extension set G 3/4" x G 1"	110 to 130 mm	5G	1	HMXI-K003 002	10,20
Extension set G 3/4" x G 3/4"	110 to 130 mm	5G	1	HMXI-K003 003	11,00
Extension set G 3/4" x G 3/4"	110 to 165 mm	5G	1	HMXI-K003 004	24,95
Extension set G 3/4" x G 1"	110 to 190 mm	5G	1	HMXI-K003 005	12,85

2 Compact heat meters

Qheat

2.1 Installation material (individual parts)

Conversion adapter for immersion sleeve installation:
For conversion of temperature measuring points with immersion sleeve for direct measurement, suitable for temperature sensors 5.0 and 5.2 mm



Product description	Group	Qty.	Part no.	Price (€)
Temperature sensor sleeve G 1/4"	5G	1	FKM0049	2,80
Temperature sensor sleeve M 10 x 1	5G	1	FKM0050	2,80

MID-conform single-pipe connection pices (EAT) for all compact heat meters with IST-flow sensor (Ista-compatible measuring capsule)

Cover plate and profile gasket are not included in the scope of supply, please order separately.

Product description		Group	Qty.	Part no.	Price (€)
Housing 110 mm, solder 15 mm + G 1/2"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0006	18,85
Housing 110 mm, solder 18 mm + G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0005	19,30
Housing 80 mm, G 3/4"	for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0008	18,00
Housing 130 mm, solder 22	for qp = 2.5 m³/h	5G	1	FKM0007	13,45
Housing 130 mm, OT 1"	for qp = 2.5 m³/h	5G	1	WME.G22	49,10
Cover plate for 2"-EAT		5G	1	FKM0053	5,65
Profile gasket for 2"-EAT		5G	1	FKS0007	0,40

2 Compact heat meters

Qheat

2.1 Installation material (individual parts)

Immersion sleeves and accessories for all compact heat meters with temperature sensor 5.0 and 5.2 mm

Please pay attention to national and country specific regulations concerning the use of immersion sleeves!

Product description		Group	Qty.	Part no.	Price (€)
T-piece R 1/2"		5G	1	FKM0035	13,20
T-piece R 3/4"		5G	1	FKM0036	13,70
T-piece R 1"		5G	1	FKM0037	14,15
Immersion sleeve 5.0 mm, G 1/4"		5G	1	FKM0038	6,25
Immersion sleeve 5.2 mm, G 1/4"		5G	1	FKM0039	6,25
Immersion sleeve 5.0 mm, M 10 x 1	not suitable for T-pieces a.m.	5G	1	FKM0051	5,20
Immersion sleeve 5.2 mm, M 10 x 1	not suitable for T-pieces a.m.	5G	1	FKM0052	5,20

3 Split heat meters

Qheat

3.1 Installation material (installation sets)

Temperature sensor installation set 35 mm
consisting of 2 ball valves with temperature sensor seat M 10x1,
suitable for split heat meters qp 0.6 m³/h, qp 1.5 m³/h and qp 2.5 m³/h

Product description		Group	Qty.	Part no.	Price (€)
installation set R 1/2"		5G	1	G98/0011-05	14,35
installation set R 3/4"		5G	1	G98/0011-04	18,95
installation set R 1"		5G	1	G98/0011-01	29,85

Flow sensor part-installation set
consisting of 2 screw fittings with sealing rings

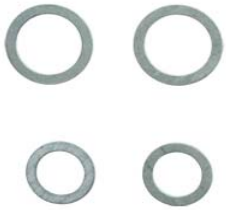
Product description		Group	Qty.	Part no.	Price (€)
installation set R 1/2" x G 3/4"	for qp 0.6 m³/h and 1.5 m³/h	5G	1	G98/0002-01	6,95
installation set R 3/4" x G 1"	for qp 2.5 m³/h	5G	1	G98/0002-02	14,95

flushing tubes for all heat meters
flushing tube with outside thread on both sides, brass

similar image

Product description		Group	Qty.	Part no.	Price (€)
flushing tube 110 mm, G 3/4"	for qp 0.6 m³/h and 1.5 m³/h	5G	1	FKM0074	4,95
flushing tube 130 mm, G 1"	for qp 2.5 m³/h	5G	1	FKM0075	8,60

Seals + leadings



Product description		Group	Qty.	Part no.	Price (€)
seal 2 mm, G 3/4"	for qp 0.6 m³/h and 1.5 m³/h	5G	1	FKS0005	0,15
seal 2 mm, G 1"	for qp 2.5 m³/h	5G	1	FKS0006	0,20
locking wire 250 mm		5G	1	527 648	0,05
self lock seal		5G	1	527 647	0,10

3 Split heat meters

Qheat

3.1 Installation material (installation sets)

Temperature sensor installation set 85 mm
consisting of 2 welding muffs 35 mm and 2 immersion sleeves with 85 mm immersion length, suitable for split heat meters qp 3.5 m³/h, qp 6.0 m³/h and qp 10.0 m³/h

Product description	Group	Qty.	Part no.	Price (€)
installation set 85 mm	5G	1	G98/0001-02	52,60

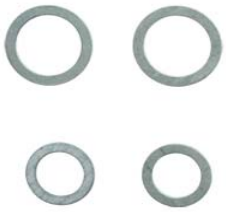
Flow sensor part-installation set
consisting of 2 screw fittings with sealing rings

Product description		Group	Qty.	Part no.	Price (€)
installation set R 1" x G 5/4"	for qp 3.5 m³/h and 6.0 m³/h	5G	1	G98/0002-03	22,25
installation set R 6/4" x G 2"	for qp 10.0 m³/h	5G	1	G98/0002-04	70,15

flushing tubes for all heat meters
flushing tube with outside thread on both sides

Product description		Group	Qty.	Part no.	Price (€)
flushing tube 260 mm, G 5/4" (horizontal installation)	for qp 3.5 m³/h and 6.0 m³/h	5G	1	591 531	44,80
flushing tube 150 mm, G 5/4" (vertical installation)	for qp 3.5 m³/h and 6.0 m³/h	5G	1	591 530	28,70
flushing tube 300 mm, G 5/4" (horizontal installation)	for qp 10.0 m³/h	5G	1	591 533	69,50
flushing tube 200 mm, G 2" (vertical installation)	for qp 10.0 m³/h	5G	1	591 532	69,50

Seals + leadings



Product description		Group	Qty.	Part no.	Price (€)
seal 2 mm, G 5/4"	for qp 3.5 m³/h and 6.0 m³/h	5G	1	290 406	0,40
seal 2 mm, G 2"	for qp 10.0 m³/h	5G	1	290 407	0,45
locking wire 250 mm		5G	1	527 648	0,05
self lock seal		5G	1	527 647	0,10

3 Split heat meters

Qheat

3.1 Installation material (installation sets)

Temperature sensor installation set 120 mm
consisting of 2 welding muffs 35 mm and 2 immersion sleeves with 120 mm immersion length, suitable for split heat meters qp 15.0 m³/h to qp 250.0 m³/h

Product description	Group	Qty.	Part no.	Price (€)
installation set 120 mm	5G	1	G98/0001-03	55,60

Installation material (Split heat meter with integrated M-Bus module)

Programming key for split heat meter

Product description	Group	Qty.	Part no.	Price (€)
Programming key	5G	1	G99PAFF01 0	27,10

Sealable M-Bus connection cable

Product description		Group	Qty.	Part no.	Price (€)
M-Bus connection cable 2-pole	3 m	5G	1	593 812	8,00

4 Mechanical + electronic water meters

Qwater

4.1 Installation material for water meters - screw-type

Flushing tubes
brass

similar image

Product description		Group	Qty.	Part no.	Price (€)
Flushing tube 80 mm	OT 3/4"	5G	1	WFZ.R80	4,50
Flushing tube 110 mm	OT 3/4"	5G	1	WFZ.R110	4,95
Flushing tube 130 mm	OT 1"	5G	1	WFZ.R130	8,60

Screwed connections

Product description		Group	Qty.	Part no.	Price (€)
1 pair screw-type OT 1/2"	union nut 3/4"	5G	1	WFZ.R2	4,20
1 pair screw-type OT 3/4 "	union nut 1"	5G	1	WFZ.R2-1	10,90

Extensions

Product description		Group	Qty.	Part no.	Price (€)
Extension 80 mm to 110 mm	G 3/4" B to G 1" B	5G	1 pair	WZM-V110	12,80
Extension 110 mm to 130 mm	G 3/4" B to G 3/4" B	5G	1 pair	WZM-V130	11,00
Extension 110 mm to 165 mm	G 3/4" B to G 3/4" B	5G	1 pair	WZM-V165	24,95
Extension 110 mm to 190 mm	G 3/4" B to G 1" B	5G	1 pair	WZM-V190	12,85

Attachment set WFZ.W

Product description	Group	Qty.	Part no.	Price (€)
Attachment set cpl. for washstand water meters	5G	1	WFZ.W	9,80
Attachment set (screw-type with chrome pipe crimp connector) for washstand water meters	5G	1	06/1191	4,30
Attachment set (screw-type with 3/8" right-angle stop cock connection) for washstand water meters	5G	1	06/1192	4,30
Attachment set for faucet water meters	5G	1	WFZ.Z	10,00

Further accessories

Product description		Group	Qty.	Part no.	Price (€)
Self-lock seal neutral / orange	without embossing	5G	100	WFZ.P	3,50
1 pair of reducing adapters 3/4" to 1"		5G	1	F428489140	4,70

4.2 Installation material for water meters - measuring capsule

Connection interface (EAT) IST

Compatible to: EAS/VAS 2" Systems, with plaster aid

Product description		Group	Qty.	Part no.	Price (€)
Connection interface, design length 110 mm	OT 1/2", 15 mm solder	5G	1	WME.L15/H	26,50
Connection interface, design length 110 mm	OT 3/4", 18 mm solder	5G	1	WME.L18/H	27,00
Connection interface, design length 130 mm	without OT, 22 mm solder	5G	1	WME.L22/H	21,50
Connection interface, design length 80 mm	IT 3/4“	5G	1	WME.G20/H	29,60
Connection interface, design length 130 mm	OT 1“ (only for Qn 2.5)	5G	1	WME.G22	49,10

Compatible to: EAS/VAS 2" Systems, without plaster aid, without closure, without sealing ring

Product description		Group	Qty.	Part no.	Price (€)
Connection interface, design length 110 mm	OT 1/2", 15 mm solder	5G	1	WME.L15/OV/H	18,85
Connection interface, design length 110 mm	OT 3/4", 18 mm solder	5G	1	WME.L18/OV/H	19,30
Connection interface, design length 130 mm	without OT, 22 mm solder	5G	1	WME.L22/OV/H	13,45
Connection interface, design length 80 mm	IT 3/4"	5G	1	WME.G20/OV/H	18,00

Product description	Group	Qty.	Part no.	Price (€)
Closure für above-mentioned connection interface	5G	1	WME.VRING	5,65
Profile sealing ring 57 x 46 x 4 for EAS and VAS 2"	5G	1	WME.PRODICHT	0,40
Flat sealing ring 56 x 47 x 2 (only for WMC3x / WMH3x)	5G	1	WME.FLDICHT	0,65
Flat sealing ring A16,8/B24	5G	1	F428090010	0,10

4 Mechanical + electronic water meters

Q water

4.2 Installation material for water meters - measuring capsule

Screwed connections

Product description		Group	Qty.	Part no.	Price (€)
1 pair screw-type	OT 1/2" , union nut 3/4"	5G	1	WFZ.R2	4,20
1 pair screw-type	OT 3/4" , union nut 1"	5G	1	WFZ.R2-1	10,90

Covers & rosettes

Product description	Group	Qty.	Part no.	Price (€)
Rosette round, chrome-plated, outer diameter 140mm	5G	1	WFZW.B1	13,10
Round cover, chrome-plated with thrust tube and PVC ring	5G	1	WFZ.B6-1	7,40
Round cover (radio), silver-metallic with thrust tube and PVC ring	5G	1	WFZ.B6-2	10,30
Spacer ring for MK water meters (WMK10.D*, WMW10.D*) for use of existing trims	5G	1	WMZ.DR	0,83

Installations key

Product description	Group	Qty.	Part no.	Price (€)
Installation key for measuring capsule meter	5G	1	WMZ.K5	57,30

Further accessories

Product description		Group	Qty.	Part no.	Price (€)
Plaster aid complete		5G	1	WME.EINPUTZ1	1,65
Self-lock seal neutral / orange	without embossing	5G	100	WFZ.P	3,50
Sealing ring for capsule water meter type Q water 5.5		5G	1	FKK0139	0,71

4.3 Installation material for water meters - valve meters

Connection set VZ 3/4", chrome-plated (short) 40mm

Product description		Group	Qty.	Part no.	Price (€)
Connection Set VZ 1/2"	40 mm (short), chrome-plated	5G	1	WFZ2.SN1540	12,10
Connection Set VZ 1/2"	90 mm (long), chrome-plated	5G	1	WFZ2.SN1590	38,40
Connection Set VZ 3/4"	40 mm (short), chrome-plated	5G	1	WFZ2.SN1840	12,10
Connection Set VZ 3/4"	90 mm (long), chrome-plated	5G	1	WFZ2.SN1890	24,60
Connection Set VZ 1"	40 mm (short), chrome-plated	5G	1	WFZ2.SN2240	25,80
Connection Set VZ 1"	90 mm (long), chrome-plated	5G	1	WFZ2.SN2290	38,40
Universal riser pipe B1/2"		5G	5	WFZ2.SR15	39,00
Universal riser pipe B3/4"		5G	5	WFZ2.SR18	39,00
Extension VZ 25 mm	chrome-plated	5G	10	WFZ2.VN25	42,20
Flow direction converter VZ 1/2"	chrome-plated	5G	1	WFZ2.FN15	157,50
Flow direction converter VZ 3/4"	chrome-plated	5G	1	WFZ2.FN18	140,00
Flow direction converter VZ 1"	chrome-plated	5G	1	WFZ2.FN22	140,00
Hinged rosette 60 mm		5G	1	F13011-2055	1,70
Hinged rosette 85 mm		5G	1	F13011-2056	5,00
Central piece, complete		5G	1	WFZ2.MS	1,80
Installation key valve meters		5G	1	F13011-2070	5,70

4.3 Installation material for water meters - bath meters

Product description	Group	Qty.	Part no.	Price (€)
Bath meter spare part 3/4"x44	5G	1	WFZ.BZES	11,10

5 Accessories smoke detector

5.1 Installation material

Material for approval-compliant installation and securing of
the **standalone smoke detector Q smoke Genius H-N** and of the **radio smoke detector Q smoke 5.5**

Product description	Group	Qty.	Part no.	Price (€)
Sticky pad kit, sale and delivery in packing units of 10 units each	H3	1PU	SDTI-KHKK-010	35,90
Sticky pad kit, sale and delivery in packing units of 100 units each	H3	1PU	SDTI-KHKK-100	359,00
Seal kit, sale and delivery in packing units of 32 units each	H3	1PU	SDTI-KHKK-032	16,97

6 Accessories Modules

6.1 Accessories

Product description		Group	Qty.	Part no.	Price (€)
Spare seal set for WFZ16x.MO	1 pack (10 units)	MN	1	WFZ.BS-MO	8,35
Spare seal set for WFZ16x.AL	1 pack (10 units)	MN	1	WFZ.BS-AL	8,35
Torque screwdriver "Torx Plus"		MM	1	FZ201-009	207,20
M-Bus Connection set for AEW310.2		B1	1	WFZ.MBUSSET	8,55

Triggering tool for radio telegrams
is a tool for triggering radio installation telegrams for meters with IrDA interface

Product description	Group	Qty.	Part no.	Price (€)
Triggering tool for radio telegrams	MM	1	WFZ.PS	225,90

7 Accessories Network nodes

7.1 Accessories

Product description	Group	Qty.	Part no.	Price (€)
Main battery for WTT16… and Q node 5 (3,6V / 13 Ah)	MN	1	WTZ.BAT	57,00
Back-up battery for WT*16…	MN	1	FBCRAA/KS	12,80
Back-up battery for Q node 5	MN	1	FBR0018	22,50
Lead seal for network node WTx and Q node 5	MN	100	U12102-2003/QU	10,40

8 User Software and Service Tools

With the Q suite 5 we are offering a platform on which all software modules of the devices used can be operated. The intuitive standard interface for all modules makes it very easy to use, and the support of standard export formats makes its integration in billing systems easier.

8 User Software and Service Tools

8.1 Q caloric - User Software

Q suite 5 is the standard software landscape for parameter setting and readout of the heat cost allocators Q caloric 5 and Q caloric 5.5

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

QUNDIS KC-value data base

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

ACT20 - Parameter setting- and diagnosis software
for meters such as WHE heat cost allocators, water meters (Volutron series), heat/cold meters and impulse adapters

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

8 User Software and Service Tools

8.1 Q caloric - Service Tools

Programming adapter for Q caloric 5
can be used to start radio telegrams (installation telegrams), change a due date or switch off a due date and carry out error deletion. It also has an integrated IrDA interface and thus makes communication possible with standard heat cost allocators (without integrated IrDA).

Product description	Group	Qty.	Part no.	Price (€)
Programming adapter for Q caloric	MM	1	HCAP-H001 001	229,50

Special adapter RS232 / USB interface
is a special adapter that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Special adapter RS232 to USB	MM	1	WFZ.USB-1	124,90

Infrared communication head [USB interface]
is an IrDA communication head with USB connection that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Infrared communication head [USB interface]	MM	1	WFZ.IrDA-USB	306,50

8 User Software and Service Tools

8.2 Q heat - User Software

Q suite 5 is the standard software landscape for parameter setting and readout of the heat meters Q heat 5

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

ACT20 - Parameter setting- and diagnosis software
for meters such as WHE heat cost allocators, water meters (Volutron series), heat/cold meters (Megatron series) and impulse adapters

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

8 User Software and Service Tools

8.2 Q heat - Service Tools

Special adapter RS232 / USB interface
is a special adapter that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Special adapter RS232 to USB	MM	1	WFZ.USB-1	124,90

Infrared communication head [USB interface]
is an IrDA communication head with USB connection that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Infrared communication head [USB interface]	MM	1	WFZ.IrDA-USB	306,50

Opto-Head
for electronic heat meter type G03 - G19, G20 – G58 and calculator units R20 – R28

Product description	Group	Qty.	Part no.	Price (€)
Opto-head with USB-adapter and 3.0 m cable	B4	1	G99/PKK1-02	314,4

8 User Software and Service Tools

8.3 Q water - User Software

Q water

Q suite 5 is the standard software landscape for parameter setting and readout of the water meters Q water 5.5

Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).

ACT20 - Parameter setting- and diagnosis software
for meters such as WHE heat cost allocators, water meters (Volutron series), heat/cold meters (Megatron series) and impulse adapters

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

8 User Software and Service Tools

8.3 Q water - Service Tools

Q water

Special adapter RS232 / USB interface
is a special adapter that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Special adapter RS232 to USB	MM	1	WFZ.USB-1	124,90

Infrared communication head [USB interface]
is an IrDA communication head with USB connection that guarantees quality demands on communication with QUNDIS meters are met by means of an integrated QUNDIS chip.

Product description	Group	Qty.	Part no.	Price (€)
Infrared communication head [USB interface]	MM	1	WFZ.IrDA-USB	306,50

Triggering tool for radio telegrams
is a tool for triggering radio installation telegrams for meters with IrDA interface

Product description	Group	Qty.	Part no.	Price (€)
Triggering tool for radio telegrams	MM	1	WFZ.PS	225,90

8 User Software and Service Tools

8.4 Q walk-by - User Software

ACT46.PC - Readout software
for walk-by devices

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

8.4 Q walk-by - Service Tools

Mobile data collector
for the central collection of consumption information and direct transmission to a mobile computer; receives S- and C-Mode radio telegrams

Product description	Group	Qty.	Part no.	Price (€)
Q log 5.5 incl. USB charging cable	MM	1	RML5-Q206-0000 00000	950,00

8 User Software and Service Tools

8.5 Q AMR - User Software

ACS26 - Q AMR remote meter readout software
is exclusively for the remote readout of QUNDIS gateways generation 4 (WTX16.IP/GSM/MOD)

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

ACT26 - Commissioning and service software for the Q AMR system
is exclusively for set-up and commissioning of the QUNDIS network node generation 4 (WTT16) and generation 5 (Q node 5)

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

ACT21 - Parameter setting software for gateways
is exclusively for the parameter setting for QUNDIS gateways generation 4 (WTX16.IP/GSM/MOD)

Product description	Group	Qty.	Part no.	Price (€)
Software and software updates can be found in the QUNDIS Download Centre - QDC (free-of-charge).				

8.5 Q AMR - Service Tools

USB programming adapter
for programming and readout of Q node 5 network node

Product description	Group	Qty.	Part no.	Price (€)
USB programming adapter	MM	1	RNNP-H001-0010	355,00

PC radio module
makes readout of the Q AMR network node possible.
It comprises the commissioning and service software for the Q AMR system (ACT26), the demo transmitter Q check and a USB cable. The demo transmitter can also be ordered separately (see chapter 1.6).

Product description	Group	Qty.	Part no.	Price (€)
PC radio module	MM	1	WTZ.RM	2.667,70

Product description	Group	Qty.	Part no.	Price (€)
Connection cable RS232 2.5m connection cable with D-Sub 9-pole for reading out WTT16.232 and WTX16.232	MM	1	WTZ.K232	42,90

8 User Software and Service Tools

8.6 Q M-Bus - Service Tools

M-Bus Programming adapter [USB interface]
QUNDIS M-Bus Minimaster with USB connection for reading out network nodes, water meters, heat/cold meters and impulse adapters with M-Bus

Product description	Group	Qty.	Part no.	Price (€)
Programming adapter; M-Bus Mini Master, USB interface	MM	1	WFZ.MBM-USB	788,50
M-Bus adapter plug for WFZ.MBM-USB and Q node 5	MM	1	RNNP-H002-0010	10,90

Configuration module
For the programming and commissioning of the M-Bus modules and for the mobile readout of small M-Bus networks up to 10 metering devices

Product description	Group	Qty.	Part no.	Price (€)
Configuration module with USB connector	MM	1	B99/0009-02	268,50
Ethernet converter Converter RS 232 to 10BaseT (Ethernet)	MM	1	B99/0014-30	309,90

9 Further system components

9.1 Further system components

M-Bus - central units

M-Bus central units
complete with keyboard an display, built-in flash memory and real-time clock, readout via standard terminal programs or via the "Fservice" program

Product description		Group	Qty.	Part no.	Price (€)
for 250 standard loads	with plug mains adapter	B1	1	B01/0250-01	1.916,00
for 120 standard loads	with plug mains adapter	B1	1	B01/0120-01	1.760,00
for 60 standard loads	with integrated mains adapter	B1	1	B01/0060-01	931,00

M-Bus - level converters

M-Bus level converters
without memory, readout via EN 1434-conform M-Bus readout programs or the "FService" program"

Product description		Group	Qty.	Part no.	Price (€)
for 250 standard loads	with plug mains adapter	B1	1	B02/0250-01	1.394,00
for 120 standard loads	with plug mains adapter	B1	1	B02/0120-01	1.265,00
for 60 standard loads	with integrated mains adapter	B1	1	B02/0060-01	482,00

M-Bus - remote displays

M-Bus remote displays
complete with keyboard and display, without memory, readout via EN 1434-conform M-Bus readout programs or the "FService" program

Product description		Group	Qty.	Part no.	Price (€)
for 60 standard loads	with integrated mains adapter	B1	1	B03/0060-01	827,00

M-Bus - repeater

M-Bus repeater
for extending the range and/or standard loads, without keyboard and display, with plug-type mains adapter

Product description		Group	Qty.	Part no.	Price (€)
for 250 standard loads	with plug mains adapter	B1	1	B03/0250-01	1.398,00

10 Test fees, services

10.1 Testing fee / comparative measurement, reference test / findings tests

Testing fee
Evaluation in state on delivery and readout of the device
(inc. storing files)

Product description	Price (€) net per unit
Heat cost allocator	26,50
Heat meter	26,50
Water meter	26,50

Comparative measurement / reference test (per device)
Repeat measurement of the device's metering behaviour in comparison with the sample device; determination of deviation of metering behaviour; documentation in tabular evaluation

Product description		Price (€) net per unit
Heat cost allocator - 1st Device		68,50
each additional device per return		31,50
Heat meter		73,00
Water meter	cold	25,00
Water meter	hot	28,00

Findings tests (inc. test certificate)
Repeat measurement of device components in a state-recognised Test Centre (through calibration officials); Preparation of test certificate with official stamp;
Dismantling of meter in components ► i.e. device cannot be used again after the test; result of the test (test certificate) is incontestable

Product description	Price (€) net per unit
Heat meter up to 2.5 m³/h	159,50
Water meter up to Qn = 10 m³/h respectively Q_3 = 16	81,40

10.2 Fixed costs conformity assessment, costs for calibrations

Product description	Price (€) net per unit
Cold water meter	
up to Qn = 6.0 m³/h respectively Q_3 = 10	8,40
Hot water meter	
up to 6.0 m³/h	8,40
Heat meter	
up to 6.0 m³/h	35,40

10 Test fees, services

10.2 Fixed costs conformity assessment, costs for calibrations

Product description	Price (€) net per unit
Flow sensor	
up to 2.5 m³/h	8,40
Calculator	
without temperature sensor	13,50
with temperature sensor	27,00
Temperature sensor	
per Pair	13,50

Please note: in accordance with the regulations on charges relating to measuring and calibration (measuring and calibration charges directive - Mess EGeBV dated 24.03.2015), statutory fixed charges and testing fees under 10.2 are not subject to discounts or cash discounts.

10.3 Services, others

Services

e.g. for the project planning of radio systems, special training

Product description	Price (€) net per day
depending on availability, per day plus expenses	400,00

Loaners

Product description	Price (€) net per unit
Stud welding machine with battery mode, per started week	60,00

Reduced value fee

We charge a fee of €20.00 for orders with an order value below €200.00

PRL4-QZBH-DE0 · 01/17

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

www.qundis.com

EMAS
GEPRÜFTES UMWELTMANAGEMENT
DE-145-00100

TOP 100
1st place
Innovator of the year 2016