



Price list 2024

Accessories

Product range

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1 | Heat cost allocator



1.1 | Q caloric 5.5 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.

1.2 | Q caloric 5.5 REPAIR - EXTENSION INSTALLATION (P3 + AL3)

Communication: Q basic



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

Product description	Group	PCS / PU	Part no.	€ / PU
1-sensor measuring principle replacement for Q caloric 5 + WHE30	5C	1	HCA50032E000 0A000	25,05
2-sensor measuring principle replacement for Q caloric 5 + WHE30Z	5C	1	HCA50032C000 0A000	26,82

Communication: Q opto (infrared-interface)



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

Product description	Group	PCS / PU	Part no.	€ / PU
1-sensor measuring principle replacement for Q caloric 5 + WHE37	5E	1	HCA50035E000 0A000	32,11
2-sensor measuring principle replacement for Q caloric 5 + WHE37Z	5E	1	HCA50035C000 0A000	33,88

1 | Heat cost allocator



1.3 | Q caloric 5.5 REPAIR - EXTENSION INSTALLATION (P3 + AL4)

Communication: Radio



C-Mode features

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



Metering technology compatible with WHE4 and Q caloric 5, mixed operation is permitted.

Radio transmission compatible with in WHE465Z and Q caloric 5 walk-by

(read-out requirements: Q log 5.5 + current ACT46)!

Radio transmission with WHE460Z, WHE467Z and Q caloric 5 AMR only compatible in conjunction with a complete Q node 5.5 AMR network.

Product description	Group	PCS / PU	Part no.	€ / PU
2-sensor measuring principle <small>replacement for Q caloric 5 +WHE465Z + WHE460Z</small>	5F	1	HCA50038D000 00000	61,55
2-sensor measuring principle + infrared <small>replacement for Q caloric 5 + WHE467Z</small>	5F	1	HCA5003TD000 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 allocator



1.4 | 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	PCS / PU	Part no.	€ / PU
Ribbed radiator, division > 40 mm	5D	1	HCAIK001 001	2,41
Ribbed radiator, division = < 40 mm	5D	1	HCAIK001 002	10,06
Cast radiator, division 20/40 mm	5D	1	HCAIK001 003	5,84
End faces cast radiator	5D	1	HCAIK001 004	3,97
Cast ribbed radiator type KR	5D	1	HCAIK001 005	3,01
Ribbed radiator, with clearance > 40 mm	5D	1	HCAIK001 006	8,07
Panel radiator, flat front	5D	1	HCAIK001 007	1,99
Panel radiator, vertical profiles	5D	1	HCAIK002 001	1,99
Panel radiator with convention plate on the front	5D	1	HCAIK002 004	16,14
Bathroom radiator, collector on one side	5D	1	HCAIK003 005	2,35
Aluminium ribbed radiator	5D	1	HCAIK004 001	1,93
Radiator with internal tube register, deep water channel	5D	1	HCAIK006 002	9,88
Radiator with internal tube register, horizontal water flow	5D	1	HCAIK006 003	1,93
Profile radiators	5D	1	HCAIK007 002	4,75
Flat tube radiator	5D	1	HCAIK007 003	10,48
Window ledge radiators	5D	1	HCAIK007 004	3,37

1.4 | 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	PCS / PU	Part no.	€ / PU
Wall bracket P2	5D	1	HCAIK010 0P2	2,17
Wall bracket P3	5D	1	HCAIK010 0P3	2,17
Remote sensor complete, 1.5 m	5D	1	HCAIK010 0S1	13,07
Remote sensor complete, 2.5 m	5D	1	HCAIK010 0S2	15,54
Remote sensor complete, 5.0 m	5D	1	HCAIK010 0S5	22,40
Sensor attachment for ribbed radiator, division > 40 mm	5D	1	HCAIK010 001	15,06
Sensor attachment for ribbed radiator, division = < 40 mm	5D	1	HCAIK010 002	22,77
Sensor attachment for cast radiator type SR	5D	1	HCAIK010 003	15,06
Sensor attachment for cast radiator type RR, KR	5D	1	HCAIK010 004	16,68
Sensor attachment for panel radiator	5D	1	HCAIK010 005	1,20
Sensor attachment for aluminium ribbed radiator	5D	1	HCAIK010 010	1,14
Sensor attachment for ribbed convectors	5D	1	HCAIK010 012	5,30
Sensor attachment for window ledge radiators	5D	1	HCAIK010 013	15,96
Sensor attachment for profile radiators	5D	1	HCAIK010 A14	15,84

1 | Heat cost allocator



1.4 | 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	PCS / PU	Part no.	€ / PU
Attachment parts					
Threaded hoop (pipe 18 to 30 mm)	for P2 and P3	5D	10	FKT0014	58,69
Threaded hoop (pipe up to 17 mm)	for P2 and P3	5D	10	FKT0004	25,90
Shank nut M3 x 3	for P2 and P3	5D	100	FNM0002	24,09
Shank nut M3 x 6	for P2 and P3	5D	100	FNM0003	30,11
Shank nut M3 x 9.5	for P2 and P3	5D	100	FNM0001	36,14
Clamping sleeve special radiator	for P2 and P3	5D	10	FKM0002	63,18
Clamping bracket (pipes TE 36 mm)	for P2 and P3	5D	50	FKT0015	30,11
Clamping bracket (pipes TE 46 mm)	for P2 and P3	5D	50	FKT0016	75,28
Clamping bracket shortened	for P2 and P3	5D	10	FKT0009	25,29
Clamping bracket trapezoidal 35 mm	for P2 and P3	5D	10	FKT0018	5,42
Clamping bracket trapezoidal 50 mm	for P2 and P3	5D	10	FKT0019	7,83
Clamping bracket trapezoidal 65 mm	for P2 and P3	5D	50	FKT0020	54,20
Expanding bracket for lamella-type radiator	for P2 and P3	5D	10	FKA0004	5,20
Expanding-/clamping bolts for profile radiators	for P2 and P3	5D	10	FKT0038	42,16
Square bolt 4.5 mm with cross pin	for P2 and P3	5D	10	BOZ4002	10,24
Square bolt 6 mm with cross pin	for P2 and P3	5D	10	BOZ4003	11,44
Square bolt 12 mm with cross pin	for P2 and P3	5D	10	BOZ4004	20,53
Installation parts					
Spacer sleeve	for P2 and P3	5D	10	FKT0010	6,02
Spacer	for P2 and P3	5D	10	FKA0013	26,50
Clamping piece (threaded hoop 17 mm)	for P2 and P3	5D	10	FKA0003	15,66
Clamping piece (threaded hoop 18 to 30 mm)	for P2 and P3	5D	10	FKA0008	20,48
Installation plate for remote sensor	for P2 and P3	5D	10	FKA0009	13,43
Prism	for P2 and P3	5D	10	FKA0001	20,48
Threaded bushing	for P2	5D	10	FKA0012	6,62
Contact screw	for P2	5D	10	FKA0010	13,25
Contact screw long	for P2	5D	10	FKA0011	31,32
Installation plate P2 standard	for P2	5D	50	FKA0005	39,15
Installation plate P3 standard	for P3	5D	50	FKA0017	45,17
Installation plate P3 wide	for P3	5D	25	FKA0022	33,12
Installation plate P3 7 holes	for P3	5D	50	FKA0025	69,53
Standard parts					
Cross-slot screw B 2.9 x 13	for P2 and P3	5D	500	FNR0008	18,07
Torx screw 4 x 40	for P2 and P3	5D	200	FNR0044	12,05
Cross-slot screw M4 x 30	for P2 and P3	5D	500	FNR0003	18,07
Cross-slot screw M4 x 40	for P2 and P3	5D	500	FNR0004	18,07
Cross-slot screw M4 x 50	for P2 and P3	5D	500	FNR0005	36,14
Cross-slot screw M4 x 70	for P2 and P3	5D	500	FNR0006	36,14
Welding stud M3 x 8	for P2 and P3	5D	1.000	FKT0013	43,36
Welding stud M3 x 12	for P2 and P3	5D	1.000	FKT0011	43,36
Welding stud M3 x 15	for P2 and P3	5D	1.000	FKT0012	43,36
Welding stud M3 x 8, aluminium	for P2 and P3	5D	1.000	FKA0041	43,36
Welding stud M3 x 20, aluminium	for P2 and P3	5D	1.000	FKA0030	115,63
Hexagon nut M4	for P2 and P3	5D	100	FNM0004	3,61
Self-locking nut with serrated bearing M3	for P2 and P3	5D	1.000	FNM0005	36,14

1 | Heat cost allocator



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

Product description	Group	PCS / PU	Part no.	€ / PU	
Further accessories					
Safety cap for sensor housing for remote sensor	for P2 and P3	5D	50	FKK0045	30,11
ergo.® superglue universal (3g)	for P2 and P3	5D	1	FSS0007	6,20
Lead seal P2 blue	for P2	5D	100	FKK0037	18,07
Lead seal P3 blue	for P3	5D	100	FKK0041	18,07

1.4 | 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, covers discolouring and welding bolt residue.



Approved for smooth and profiled panel-type radiators.

Product description	Group	PCS / PU	Part no.	€ / PU
Snap-on panel	5D	50	FKK0034	48,18

Cable channel

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



Product description	Group	PCS / PU	Part no.	€ / PU	
Cable channel white, 2m	per piece	5D	1	FOZ0001	4.46

1 | Heat cost allocator



1.4 | Accessories for heat cost allocators

Radio reference transmitter / demo transmitter Q check (for AMR systems)

A test transmitter for the receipt of radio AMR telegrams (S-Mode / C-Mode) in connection with Q app and Q tool or the PC radio module.



Product description	Group	PCS / PU	Part no.	€ / PU
Radio reference transmitter / demo transmitter	5D	1	HCA50D0D0000 Z0000	68,61

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 infrared interface and thus makes communication possible with standard heat cost allocators (without integrated infrared interface).



Product description	Group	PCS / PU	Part no.	€ / PU
Programming adapter for Q caloric	MM	1	HCAPH001 001	276,43

System-Manual Q caloric

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

Available as digital version in our customer portal.



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	PCS / PU	Part no.	€ / PU
Installation template for holding against the radiator	5D	1	HCAIP001 001	118,22

Product description	Group	PCS / PU	Part no.	€ / PU
Installation aid for convector installation	5D	1	FKT0017	31,26

Product description	Group	PCS / PU	Part no.	€ / PU
QUNDIS mounting folding rule	none	1	HCAIP001 002	11,92

Product description	Group	PCS / PU	Part no.	€ / PU
Disassembly tool for remote sensor (Q caloric)	5D	1	HCAIP002 001	28,31

2 | Compact heat meters

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	PCS / PU	Part no.	€ / PU
QDS-installation set R 1/2" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK001 001	30,47
QDS-installation set R 3/4" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK001 002	39,27
QDS-installation set R 1" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK001 003	67,81

QDS-installation set R 1" x G 1" for qp = 2.5 m³/h	5G	1	HMXIK001 004	53,84
QDS-installation set R 3/4" x G 1" for qp = 2.5 m³/h	5G	1	HMXIK001 005	43,00

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

For these meters please select the installation material (individual parts) from page 9.

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	PCS / PU	Part no.	€ / PU
QDS-installation set R 1/2" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK002 001	16,26
QDS-installation set R 3/4" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK002 002	34,93
QDS-installation set R 1" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h *	5G	1	HMXIK002 003	52,03

QDS-installation set R 1" x G 1" for qp = 2.5 m³/h	5G	1	HMXIK002 004	51,19
QDS-installation set R 3/4" x G 1" for qp = 2.5 m³/h	5G	1	HMXIK002 005	28,55

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

For these meters please select the installation material (individual parts) from page 9.

2 | Compact heat meters



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	PCS / PU	Part no.	€ / PU
Wall bracket Q heat 5	5G	1	HMRIK001 001	5,42

Product description	Group	PCS / PU	Part no.	€ / PU
M-Bus connection cable 4-pole, 3m, for Q heat 5.5* / Q heat split	5G	1	FKL0012	9,64
impuls-IN connection cable 4-pole, 1m, for Q heat 5.5* / Q heat split	5G	1	FKL0013	7,23

* not compatible with Q heat 5.5 US



Adjustable hook spanner for mounting and removing of capsule meters

Also suitable for water meters

Product description	Group	PCS / PU	Part no.	€ / PU
Hook spanner	5G	1	HMXIP002 001	45,17



Temperature sensor screwed connection

Product description	Group	PCS / PU	Part no.	€ / PU
Temperature sensor screwed connection 5.0 and 5.2 mm - brass	5G	1	HMXIK004 001	1,81



Heat meter seal

Product description	Group	PCS / PU	Part no.	€ / PU
Heat meter seal 250 mm	5G	1	FNS0001	0,48
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	2,23
Accessories set for Q heat 5 AMS consisting of O-ring, seal and grease	5G	1	BOZ5011	2,35

2 | Compact heat meters

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	PCS / PU	Part no.	€ / PU
Supply flow ball valve R 1/2"	5G	1	FKM0023	7,83
Supply flow ball valve R 3/4"	5G	1	FKM0024	10,54
Supply flow ball valve R 1"	5G	1	FKM0025	17,16

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	PCS / PU	Part no.	€ / PU
Return flow ball valve R 1/2" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0076	10,36
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	13,43
Return flow ball valve R 1" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0078	16,50
Seal 2 mm, G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKS0005	0,18
Return flow ball valve R 3/4" x G 1" for qp = 2.5 m³/h	5G	1	FKM0079	12,17
Return flow ball valve R 1" x G 1" for qp = 2.5 m³/h	5G	1	FKM0080	17,34
Seal 2 mm, G 1" for qp = 2.5 m³/h	5G	1	FKS0006	0,24

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	PCS / PU	Part no.	€ / PU
Return flow ball valve R 1/2" x G 3/4" for qp = 1.5 m³/h	5G	1	FKM0026	12,89
Seal 2 mm, G 3/4" for qp = 1.5 m³/h	5G	1	FKS0005	0,18

2 | Compact heat meters

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	PCS / PU	Part no.	€ / PU
Screwed connection R 1/2" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0018	3,31
Screwed connection R 3/4" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0019	11,26
Screwed connection R 1" x G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0020	16,50
Seal 2 mm, G 3/4"	5G	1	FKS0005	0,18
Screwed connection R 3/4" x G 1" for qp = 2.5 m³/h	5G	1	FKM0021	7,95
Screwed connection R 1" x G 1" for qp = 2.5 m³/h	5G	1	FKM0022	15,96
Seal 2 mm, G 1"	5G	1	FKS0006	0,24



Flushing tubes for all heat meters:

with outside thread on both sides, **brass**

similar image



Product description	Group	PCS / PU	Part no.	€ / PU
Flushing tube 80 mm, G 3/4" for qp = 1.5 m³/h	5G	1	FKM0070	5,42
Flushing tube 110 mm, G 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKM0074	5,96
Flushing tube 130 mm, G 1" for qp = 2.5 m³/h	5G	1	FKM0075	7,83

Flushing tubes for heat meters:

with outside thread on both sides, **plastic**

Product description	Group	PCS / PU	Part no.	€ / PU
Flushing tube 110 mm, OT 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKK0224	4,58
Flushing tube 130 mm, OT 1" for qp = 2.5 m³/h	5G	1	FKK0225	6,62

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



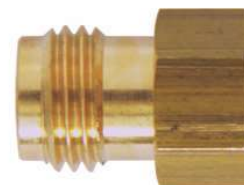
Product description	Group	PCS / PU	Part no.	€ / PU
Adapter set G 3/4" x G 1" (use Loctite 542)	5G	1	HMXIK003 001	5,66
Extension set G 3/4" x G 1" 110 to 130 mm	5G	1	HMXIK003 002	12,29
Extension set G 3/4" x G 3/4" 110 to 130 mm	5G	1	HMXIK003 003	13,25
Extension set G 3/4" x G 3/4" 110 to 165 mm	5G	1	HMXIK003 004	30,05
Extension set G 3/4" x G 1" 110 to 190 mm	5G	1	HMXIK003 005	15,48

2 | Compact heat meters

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	PCS / PU	Part no.	€ / PU
Temperature sensor sleeve G 1/4"	5G	1	FKM0049	3,37
Temperature sensor sleeve M 10 x 1	5G	1	FKM0050	3,37

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	PCS / PU	Part no.	€ / PU
Connection interface, design length 110 mm OT 1/2", 15 mm solder*	5G	1	FKM0006	22,70
Connection interface, design length 110 mm OT 3/4", 18 mm solder*	5G	1	FKM0005	23,25
Connection interface, design length 80 mm IT 3/4"	5G	1	FKM0008	21,68
Connection interface, design length 130 mm without OT, 22 mm solder	5G	1	FKM0007	16,20
Connection interface, design length 130 mm OT 1" (only for Qn 2.5)	5G	1	WME.G22	59,14
Cover plate for 2"-EAT	5G	1	FKM0053	6,81
Profile gasket for 2"-EAT (57mm x 46mm x 4mm)	5G	1	WME.PRODICHT	0,48

* Solder connection (solder) with specified inner diameter and threaded connection with specified outside thread (OT) according to ISO 228 available

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	PCS / PU	Part no.	€ / PU
T-piece R 1/2"	5G	1	FKM0035	15,90
T-piece R 3/4"	5G	1	FKM0036	16,50
T-piece R 1"	5G	1	FKM0037	17,04
Immersion sleeve 5.0 mm, G 1/4"	5G	1	FKM0038	7,53
Immersion sleeve 5.2 mm, G 1/4"	5G	1	FKM0039	7,53
Immersion sleeve 5.0 mm, M 10 x 1 not suitable for T-pieces a.m.	5G	1	FKM0051	6,26
Immersion sleeve 5.2 mm, M 10 x 1 not suitable for T-pieces a.m.	5G	1	FKM0052	6,26
Adapter f. convert. measuring point to direct measurement 1/2" M10x1	5G	1	ZKM0001	5,01
Sealing (copper) f. adapter f. convert. Measuring point 1/2" M10x1	5G	1	ZND0001	0,61

2 | Compact heat meters



2.2 | Compact heat meters Q heat 5.5 US and Q heat 5.5 US comp.

Product description	Group	PCS / PU	Part no.	€ / PU
Wall bracket for Q heat 5.5 US / Q heat 5.5 US comp.	5G	1	HMRIK001 002	37,94
Flat sealing ring for Q heat 5.5 comp. G ¾ ", EPDM	5G	10	FKS0040	3,79
Flat sealing ring for Q heat 5.5 comp. G 1", EPDM	5G	10	FKS0041	3,79
Immersion sleeve identification and marking set for Q heat 5.5 US / Q heat 5.5 US comp.	5G	25	WFZ.THID1	84,80
optical communication head with USB-Interface for Q suite to parameterize Q heat 5.5 US / Q heat 5.5 US comp.	5G	1	WFZ.OP-USB	443,86

3 | Split heat meters



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	PCS / PU	Part no.	€ / PU
installation set R 1/2"	5G	1	G98001105 0	17,28
installation set R 3/4"	5G	1	G98001104 0	22,83
installation set R 1"	5G	1	G98001101 0	35,95

Flow sensor part-installation set

consisting of 2 screw fittings with sealing rings



Product description	Group	PCS / PU	Part no.	€ / PU
installation set R 1/2" x G 3/4" for qp 0.6 m³/h and 1.5 m³/h	5G	1	G98000201 0	8,37
installation set R 3/4" x G 1" for qp 2.5 m³/h	5G	1	G98000202 0	18,01

flushing tubes for all heat meters

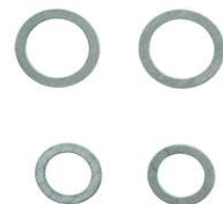
flushing tube with outside thread on both sides, brass



similar image

Product description	Group	PCS / PU	Part no.	€ / PU
flushing tube 110 mm, G 3/4" for qp 0.6 m³/h and 1.5 m³/h	5G	1	FKM0074	5,96
flushing tube 130 mm, G 1" for qp 2.5 m³/h	5G	1	FKM0075	7,83

Seals + leadings



Product description	Group	PCS / PU	Part no.	€ / PU
seal 2 mm, G 3/4" for qp 0.6 m³/h and 1.5 m³/h	5G	1	FKS0005	0,18
seal 2 mm, G 1" for qp 2.5 m³/h	5G	1	FKS0006	0,24
locking wire 250 mm	5G	1	527648 0	0,06

3 | Split heat meters

3.1 | Installation material (installation sets)

Flow sensor part-installation set

consisting of 2 screw fittings with sealing rings



Product description	Group	PCS / PU	Part no.	€ / PU
installation set R 1" x G 5/4" for qp 3.5 m³/h and 6.0 m³/h	5G	1	G98000203 0	26,80
installation set R 6/4" x G 2" for qp 10.0 m³/h	5G	1	G98000204 0	84,50

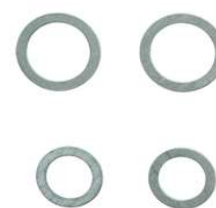
flushing tubes for all heat meters

flushing tube with outside thread on both sides



Product description	Group	PCS / PU	Part no.	€ / PU
flushing tube 260 mm, G 5/4" (horizontal installation) for qp 3.5 m³/h and 6.0 m³/h	5G	1	591531 0	53,96
flushing tube 150 mm, G 5/4" (vertical installation) for qp 3.5 m³/h and 6.0 m³/h	5G	1	591530 0	34,57
flushing tube 300 mm, G 5/4" (horizontal installation) for qp 10.0 m³/h	5G	1	591533 0	83,71
flushing tube 200 mm, G 2" (vertical installation) for qp 10.0 m³/h	5G	1	591532 0	83,71

Seals + leadings



Product description	Group	PCS / PU	Part no.	€ / PU
seal 2 mm, G 5/4" for qp 3.5 m³/h and 6.0 m³/h	5G	1	290406 0	0,48
seal 2 mm, G 2" for qp 10.0 m³/h	5G	1	290407 0	0,66
locking wire 250 mm	5G	1	527648 0	0,06

3 | Split heat meters



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	PCS / PU	Part no.	€ / PU
installation set 85 mm	5G	1	G98000102 0	63,36

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	PCS / PU	Part no.	€ / PU
installation set 120 mm	5G	1	G98000103 0	66,97

3.1 | Installation material (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 | Split heat meters



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

Programming key for split heat meter



Product description	Group	PCS / PU	Part no.	€ / PU
Programming key	5G	1	G99PAFF01 0	32,64

Sealable M-Bus connection cable

Product description	Group	PCS / PU	Part no.	€ / PU
M-Bus connection cable 2-pole, 3m	B4	1	593812 0	9,64
M-Bus connection cable 4-pole, 3m, for Q heat 5.5* / Q heat split	5G	1	FKL0012	9,64
impuls-IN connection cable 4-pole, 1m, for Q heat 5.5* / Q heat split	5G	1	FKL0013	7,23

* not compatible with Q heat 5.5 US

3.2 | Service Tools

Opto-Head

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

Product description	Group	PCS / PU	Part no.	€ / PU
Opto-head with USB-adapter and 3.0 m cable	B4	1	G99PKK102 0	378,69

4 | Mechanical + electronic water meters

4.1 | Installation material for water meters - screw-type

Flushing tubes

with outside thread on both sides, **brass**, potable water aproved



similar image



Product description	Group	PCS / PU	Part no.	€ / PU
Flushing tube 80 mm OT 3/4"	5G	1	WFZ.R80	5,42
Flushing tube 110 mm OT 3/4"	5G	1	WFZ.R110	5,96
Flushing tube 130 mm OT 1"	5G	1	WFZ.R130	7,83

Flushing tubes:

with outside thread on both sides, **plastic**, potable water aproved

Product description	Group	PCS / PU	Part no.	€ / PU
Flushing tube 110 mm, OT 3/4" for qp = 0.6 m³/h and 1.5 m³/h	5G	1	FKK0224	4,58
Flushing tube 130 mm, OT 1" for qp = 2.5 m³/h	5G	1	FKK0225	6,62

Screwed connections



Product description	Group	PCS / PU	Part no.	€ / PU
Screw-type OT 1/2" - union nut 3/4" - 1 pair	5G	1	WFZ.R2	5,06
Screw-type OT 3/4" - union nut 1" - 1 pair	5G	1	WFZ.R2-1	13,13

Extensions



Product description	Group	PCS / PU	Part no.	€ / PU
Extension 80 mm to 110 mm - G 3/4" B to G 1" B - 1 pair	5G	1	WZM-V110	15,42
Extension 110 mm to 130 mm - G 3/4" B to G 3/4" B - 1 pair	5G	1	WZM-V130	13,25
Extension 110 mm to 165 mm - G 3/4" B to G 3/4" B - 1 pair	5G	1	WZM-V165	30,05
Extension 110 mm to 190 mm - G 3/4" B to G 1" B - 1 pair	5G	1	WZM-V190	15,48

Attachment set WFZ.W



Product description	Group	PCS / PU	Part no.	€ / PU
Attachment set cpl. for washstand water meters	5G	1	WFZ.W	11,80
Attachment set (screw-type with chrome pipe crimp connector) for washstand water meters	5G	1	06/1191	5,18
Attachment set (screw-type with 3/8" right-angle stop cock connection) for washstand water meters	5G	1	06/1192	5,18
Attachment set for faucet water meters	5G	1	WFZ.Z	12,05

4 | Mechanical + electronic water meters



4.1 | Installation material for water meters - screw-type

Further accessories

Product description	Group	PCS / PU	Part no.	€ / PU
Self-lock seal neutral / orange without embossing	5G	100	WFZ.P	4,22
1 pair of reducing adapters 3/4" to 1"	5G	1	F428489140	5,66



Sealing clamps

Product description	Group	PCS / PU	Part no.	€ / PU
Sealing clamp (1/2") DN15 Q3 2,5 m³/h (old QN 1,5 m³/h)	5G	1	WFZ.P003	1,11
Sealing clamp (3/4") DN20 Q3 4,0 m³/h (old QN 2,5 m³/h)	5G	1	WFZ.P001	1,11
Sealing clamp (1") DN25 Q3 10 m³/h (old QN 6 m³/h)	5G	1	WFZ.P002	1,46

4 | Mechanical + electronic water meters



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	PCS / PU	Part no.	€ / PU
Connection interface, design length 110 mm OT 1/2", 15 mm solder	5G	1	WME.L15/H	31,92
Connection interface, design length 110 mm OT 3/4", 18 mm solder	5G	1	WME.L18/H	32,52
Connection interface, design length 130 mm without OT, 22 mm solder	5G	1	WME.L22/H	25,90
Connection interface, design length 80 mm IT 3/4"	5G	1	WME.G20/H	35,65
Connection interface, design length 130 mm OT 1" (only for Qn 2.5)	5G	1	WME.G22	59,14

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

Product description	Group	PCS / PU	Part no.	€ / PU
Connection interface, design length 110 mm OT 1/2", 15 mm solder*	5G	1	WME.L15/OV/H	22,70
Connection interface, design length 110 mm OT 3/4", 18 mm solder*	5G	1	WME.L18/OV/H	23,25
Connection interface, design length 130 mm without OT, 22 mm solder	5G	1	WME.L22/OV/H	16,20
Connection interface, design length 80 mm IT 3/4"	5G	1	WME.G20/OV/H	21,68

Product description	Group	PCS / PU	Part no.	€ / PU
Closure für above-mentioned connection interface	5G	1	WME.VRING	6,81
Profile sealing ring 57 x 46 x 4 for EAS and VAS 2"	5G	1	WME.PRODICHT	0,48
Flat sealing ring 56 x 47 x 2 (only for WMC3x / WMH3x)	5G	1	WME.FLDICHT	0,78
Flat sealing ring A16,8/B24	5G	1	F428090010	0,12

* Solder connection (solder) with specified inner diameter and threaded connection with specified outside thread (OT) according to ISO 228 available

4 | Mechanical + electronic water meters

4.2 | Installation material for water meters - measuring capsule

Screwed connections



Product description	Group	PCS / PU	Part no.	€ / PU
Screw-type - OT 1/2" , union nut 3/4" - 1 pair	5G	1	WFZ.R2	5,06
Screw-type - OT 3/4" , union nut 1" - 1 pair	5G	1	WFZ.R2-1	13,13

Covers & rosettes (new article series)



Product description		Group	PCS / PU	Part no.	€ / PU
Round cover with thrust tube	chrome look	5G	1	WMXI.KCR1 001	10,24
Square cover with thrust tube	chrome look	5G	1	WMXI.KCR1 004	18,43
Inner extensions for thrust tube	chrome look	5G	5	WMXI.KCR1 002	17,22
Outer extensions for thrust tube	chrome look	5G	5	WMXI.KCR1 003	17,22
Blind cover	chrome look	5G	5	WMXI.KCR1 005	30,23
thrust tube (single)	chrome look	5G	1	WMXI.KCR1 009	6,99
Round cover with thrust tube	white	5G	1	WMXI.KBL1 001	8,91
Square cover with thrust tube	white	5G	1	WMXI.KBL1 004	15,42
Inner extensions for thrust tube	white	5G	5	WMXI.KBL1 002	15,42
Outer extensions for thrust tube	white	5G	5	WMXI.KBL1 003	15,42
Blind cover	white	5G	5	WMXI.KBL1 005	25,41

Covers & rosettes (previous series of article, while stocks last)

Product description	Group	PCS / PU	Part no.	€ / PU
Rosette round, chrome-plated, outer diameter 140mm	5G	1	WFZW.B1	15,78
Spacer ring for MK water meters (WMK10.D*, WMW10.D*) for use of existing trims	5G	1	WMZ.DR	1,00

4 | Mechanical + electronic water meters

4.2 | Installation material for water meters - measuring capsule

Installations key



Product description	Group	PCS / PU	Part no.	€ / PU
Installation key for measuring capsule meter	5G	1	WMZ.K5	69,02
Installation key for measuring capsule meter with inside square to connect with a torque wrench	5G	1	WMZ.K6	139,24

Water meter mounting block modules

for optimal mounting and adjusting of water meter capsule of **type IST G2" up to Q3 = 2,5 m³/h** and in-wall valves, pre-assembled with 2 water meter fitting lines (can be separated), pressure tested, distance between fitting lines 150 mm, heat and acoustic insulated, valves and water meter connection interfaces with protective caps, including universal mounting bracket, packed in protective carton, delivery without measuring devices



Product description	Group	PCS / PU	Part no.	€ / PU
Mounting block module UP DUO red brass - IT 3/4" with integrated IST connection interface (G2") up to Q3 = 2,5 m³/h	5G	1	WMZ.MB1	175,50
Mounting block module UP DUO brass - IT 3/4" with integrated IST connection interface (G2") up to Q3 = 2,5 m³/h	5G	1	WMZ.MB3	149,48

Accessories mounting block modules

Triangular crown handle set made of plastic consisting of:

- Triangular crown handle (can be used for hot or cold)
- cover
- extension for 0 - 28 mm or 30 - 80 mm



Product description	Group	PCS / PU	Part no.	€ / PU
Triangular crown handle set short (0 - 28 mm height)	5G	1	WMXI.KMB1 001	22,28
Triangular crown handle set long (30 - 80 mm height)	5G	1	WMXI.KMB1 002	24,57

Further accessories

Product description	Group	PCS / PU	Part no.	€ / PU
Plaster aid complete	5G	1	WME.INPUTZ1	1,99
Self-lock seal neutral / orange, without embossing	5G	100	WFZ.P	4,22
Sealing ring for capsule water meter type Q water 5.5	5G	1	FKK0139	0,86
Guide piece for Q water 5.5 type A34	5G	1	FKK0173	3,73
O-ring for Q water 5.5 type A34 (M77x1.5)	5G	1	FKS0034	0,86
Spacer ring for Q water 5.5 type HT2	5G	1	FKK0184	3,73

4 | Mechanical + electronic water meter



4.3 | Installation material for water meters - valve meters

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



Product description		Group	PCS / PU	Part no.	€ / PU
Connection Set VZ 1/2"	40 mm (short), chrome-plated	5G	1	WFZ2.SN1540	14,57
Connection Set VZ 1/2"	90 mm (long), chrome-plated	5G	1	WFZ2.SN1590	46,25
Connection Set VZ 3/4"	40 mm (short), chrome-plated	5G	1	WFZ2.SN1840	14,57
Connection Set VZ 3/4"	90 mm (long), chrome-plated	5G	1	WFZ2.SN1890	29,63
Connection Set VZ 1"	40 mm (short), chrome-plated	5G	1	WFZ2.SN2240	31,08
Connection Set VZ 1"	90 mm (long), chrome-plated	5G	1	WFZ2.SN2290	46,25
Universal riser pipe B1/2"		5G	5	WFZ2.SR15	46,98
Universal riser pipe B3/4"		5G	5	WFZ2.SR18	46,98
Extension VZ 25 mm	chrome-plated	5G	10	WFZ2.VN25	50,83
Flow direction converter VZ 1/2"	chrome-plated	5G	1	WFZ2.FN15	189,71
Flow direction converter VZ 3/4"	chrome-plated	5G	1	WFZ2.FN18	168,63
Flow direction converter VZ 1"	chrome-plated	5G	1	WFZ2.FN22	168,63
Hinged rosette 60 mm		5G	1	F13011-2055	2,05
Hinged rosette 85 mm		5G	1	F13011-2056	6,02
Central piece, complete		5G	1	WFZ2.MS	2,17
Installation key valve meters		5G	1	F13011-2070	6,87

4.3 | Installation material for water meters - bath meters

Product description	Group	PCS / PU	Part no.	€ / PU
Bath meter spare part 3/4"x44	5G	1	WFZ.BZES	13,37

5 | Accessories smoke alarm



5.1 | Installation material

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

Product description	Group	PCS / PU	Part no.	€ / PU
Sticky pad kit	H3	10	SDTIKHKK 001	43,24
Seal kit	H3	32	SDTIKHKP 032	20,44

Material for installation of **radio smoke alarms**

Product description	Group	PCS / PU	Part no.	€ / PU
Sticky pad kit	H3	20	SDTIKATC 020	57,82

6 | Accessories Modules

6.1 | Accessories + Tools

Product description	Group	PCS / PU	Part no.	€ / PU
Spare seal set for RWM5 (10 x red, 10 x blue)	MN	20	FSS0030	1,19
Spare seal set for WFZ16x.MO / RWM5xx0*	MN	10	WFZ.BS-MO	9,64
Spare seal set for WFZ16x.AL / RWM5xx4*	MN	10	WFZ.BS-AL	9,64
Replacement sealing set for RHM5 (1 PU = 10 blue seals, 10 screws)	MN	5	RHMIK001 001	5,48
Torque screwdriver "Torx Plus"	MM	1	FZ201-009	249,57
Q pulse R-mounting kit	B4	1	RPAIW00 001	3,95

Mounting ring for Q module 5.5 water Allmess

Recommended for an additional and secure mounting of the Q module 5.5 water Allmess on Allmess radio-ready „MK +m“ and „V +m“ water meter systems.

Note: When using water meter cover/thrust tubes on the water meters, no additional mounting ring is required.



Product description	Group	PCS / PU	Part no.	€ / PU
Mounting ring Q module 5.5 water Allmess	MN	5	WFZ.ALR 005	7,89

7 | Accessories Network nodes and Gateways

7.1 | Accessories Network nodes



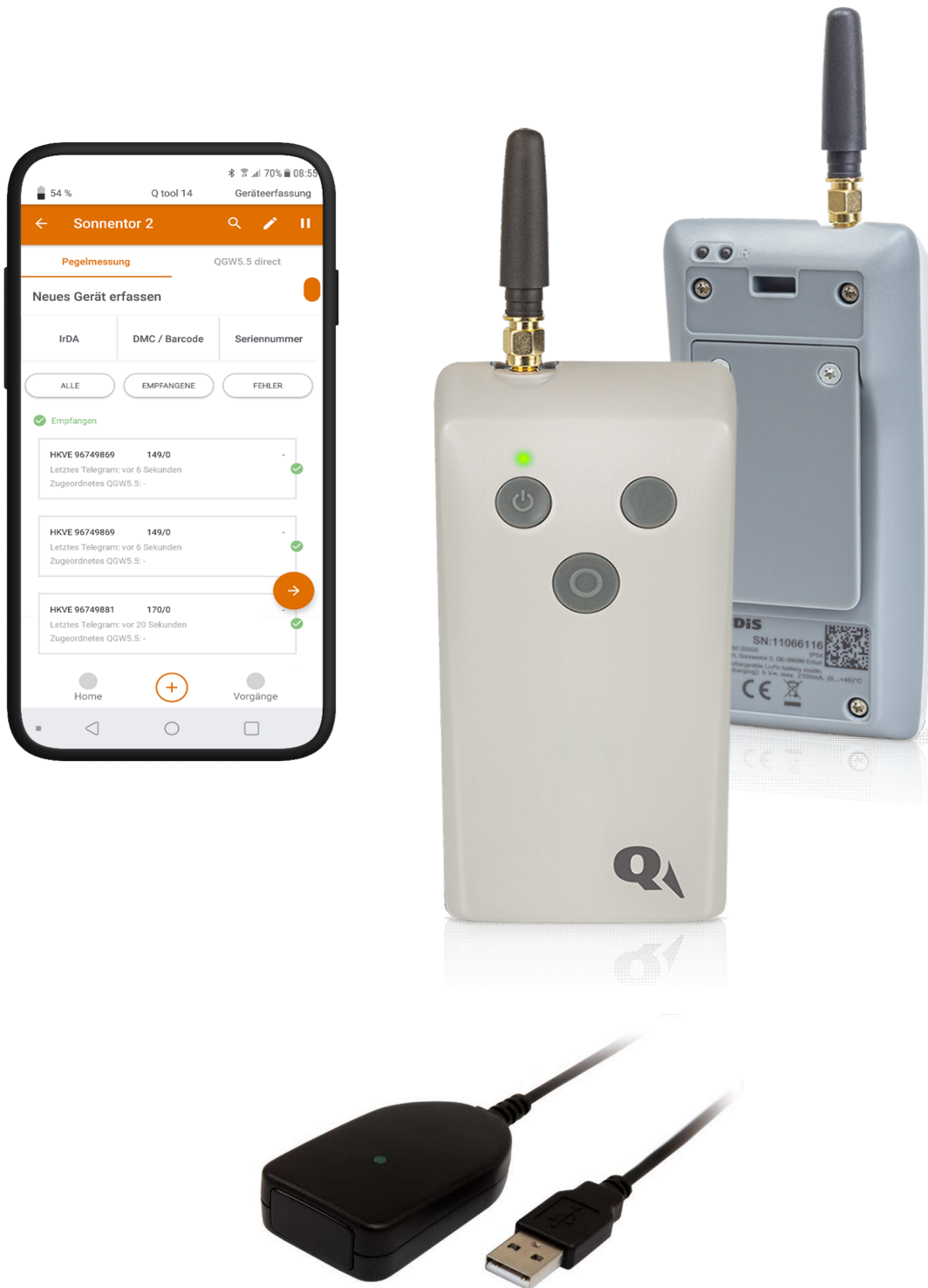
Product description	Group	PCS / PU	Part no.	€ / PU
Main battery for WTT16... and Q node 5 / 5.5 (3,6V / 13 Ah)	MN	1	WTZ.BAT	68,66
Back-up battery for WT*16...	MN	1	FBCRAA/KS	15,42
Back-up battery for Q node 5 / 5.5	MN	1	FBR0029	27,10
Lead seal for network node WTx and Q node 5 / 5.5	MN	100	U12102-2003	12,53

7.2 | Accessories Gateways



Product description	Group	PCS / PU	Part no.	€ / PU
for Q gateway 5 / 5.5 direct (applies to RNG5xxaxbxxx xxxxx , a = 1 or 2; b = 0 or 2 or 3)				
Main battery replacement set (contains main battery and Lead seal)	MN	1	RNG52d.BAT	147,73
Lead seal	MN	100	U12102-2003	12,53

8 | User Software and Service Tools



8 | User Software and Service Tools

8.1 | User Software

Software and software updates can be found in our customer portal (free-of-charge).

Product description	
Q app	Android-based software for mobile devices for: <ul style="list-style-type: none"> - Q walk-by readout - installation of Q AMR systems - installation of Q gateway 5.5 direct systems - installation monitoring <p>A Q tool version 1.0 is required to work with Q app.</p>
Q suite 5	Standard software landscape for parameter setting and readout of: <ul style="list-style-type: none"> - heat cost allocators Q caloric 5 and Q caloric 5.5 - heat meters Q heat 5 / 5.5 - water meters Q water 5.5 - radio modules Q module 5.5 water Modularis und Allmess - radio modules Q module 5.5 heat
Q suite für Q heat 5.5 R + Q heat 5.5 US R	Standard software landscape for parameter setting and readout of: <ul style="list-style-type: none"> - heat meters Q heat 5.5 R and Q heat 5.5 US R
Q suite 5.5 US	Standard software landscape for parameter setting and readout of: <ul style="list-style-type: none"> - heat meters Q heat 5.5 US and Q heat 5.5 US comp. <p>(only in combination with optical communication head with USB-Interface WFZ.OP-USB)</p>
ACT20	Parameter setting- and diagnosis software for: <ul style="list-style-type: none"> - WHE-heat cost allocators - water meters (Volutron series) - heat/cold meters (Megatron series) - radio modules WFZ16x - impulse adapters AEW3x
ACT46	Readout software for: <ul style="list-style-type: none"> - Q walk-by devices
ACT21	Parameter setting software for: <ul style="list-style-type: none"> - QUNDIS gateways generation 4 (WTX16.IP/GSM/MOD/MOD-1)
ACT26	Commissioning and service software for: <ul style="list-style-type: none"> - QUNDIS network nodes WTT16, Q node 5 / 5.5
ACS26 (September 2020: no further updates and functional extensions)	Remote meter readout software for: <ul style="list-style-type: none"> - QUNDIS gateways generation 4 (WTX16.IP/GSM/MOD/MOD-1)
QUNDIS KC-value data base	comprehensive database with heat transition values (KC values)

8 | User Software and Service Tools

8.2 | Q walk-by - Service Tools



Mobile service tool

for planning, installation and commissioning of Q walk-by and Q AMR systems as well as for read out of Q walk-by properties; optimized for use with Q app; compatible with Q suite, receives S- and C-Mode radio telegrams, incl. USB-C cable



Product description	Group	PCS / PU	Part no.	€ / PU
Q tool	MM	1	RML5000X3000 00000	1.704,37

8.3 | Q AMR - Service Tools



Mobile service tool

for planning, installation and commissioning of Q walk-by and Q AMR systems; optimized for use with Q app; compatible with Q suite, receives S- and C-Mode radio telegrams, incl. USB-C cable



Product description	Group	PCS / PU	Part no.	€ / PU
Q tool	MM	1	RML5000X3000 00000	1.704,37

USB programming adapter

for programming and readout of Q node 5 / 5.5 network node



Product description	Group	PCS / PU	Part no.	€ / PU
USB programming adapter	MM	1	RNNPH0010010	427,60

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 1.4).



Product description	Group	PCS / PU	Part no.	€ / PU
PC radio module (rental device)	MM	1	WTZ.RM	on request

8 | User Software and Service Tools

8.4 | 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.

Note product status:

Product is discontinued - sell-off according to order entry
(as of January 2023)



Product description	Group	PCS / PU	Part no.	€ / PU
Special adapter RS232 to USB	MM	1	WFZ.USB-1	150,44

Infrared communication head [USB interface]

is an infrared 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	PCS / PU	Part no.	€ / PU
Infrared communication head [USB interface]	MM	1	WFZ.IRDA-USB	369,18

Triggering tool for radio telegrams

is a tool for triggering radio installation telegrams for meters with infrared interface

Note product status:

Product is discontinued - sell-off according to order entry;
the WFZ.PS functionality has been implemented in Q tool with use of Q app
(as of January 2024)



Product description	Group	PCS / PU	Part no.	€ / PU
Triggering tool for radio telegrams	MM	1	WFZ.PS	272,10

8 | User Software and Service Tools

8.5 | Q M-Bus - Service Tools



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	PCS / PU	Part no.	€ / PU
Configuration module with USB connector	B1	1	B99000902 0	323,41
Ethernet converter - Converter RS 232 to 10BaseT (Ethernet)	B1	1	B99001430 0	373,27

9 | Further system components



9.1 | Further system components

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	PCS / PU	Part no.	€ / PU
for 250 standard loads	with plug mains adapter	B1	1	B02025001 0	1.679,07
for 60 standard loads	with integrated mains adapter	B1	1	B02006001 0	580,57

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	PCS / PU	Part no.	€ / PU
for 60 standard loads	with integrated mains adapter	B1	1	B03006001 0	996,12

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	PCS / PU	Part no.	€ / PU
for 250 standard loads	with plug mains adapter	B1	1	B03025001 0	1.683,89

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 (incl. storing of the readout results)

Product description	Price (€) net per unit
Heat cost allocator	55,00
Heat meter	55,00
Water meter	55,00
Smoke detector	55,00

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	95,00
Each additional device per test (with the same version/parameterisation)	31,50
Heat meter	95,00
Water meter cold	75,00
Water meter hot	75,00

Findings tests (according to the requirements of the measuring and calibration law, implemented by state-recognised Test Centre)

* 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	374,40
Water meter up to Q _n = 10 m³/h respectively Q ₃ = 16	95,50
Heat meter - partial unit - calculating units	131,40

10.2 | Fixed costs conformity assessment, costs for calibrations

Product description	Price (€) net per unit
Cold water meter	
up to Q _n = 6.0 m³/h respectively Q ₃ = 10	9,90
Hot water meter	
up to 6.0 m³/h	9,90
Heat meter	
up to 6.0 m³/h	41,70

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	9,90
Calculator	
without temperature sensor	15,90
with temperature sensor	31,80
Temperature sensor	
per Pair	15,90

* larger flow sensors on request, billing based on actual cost

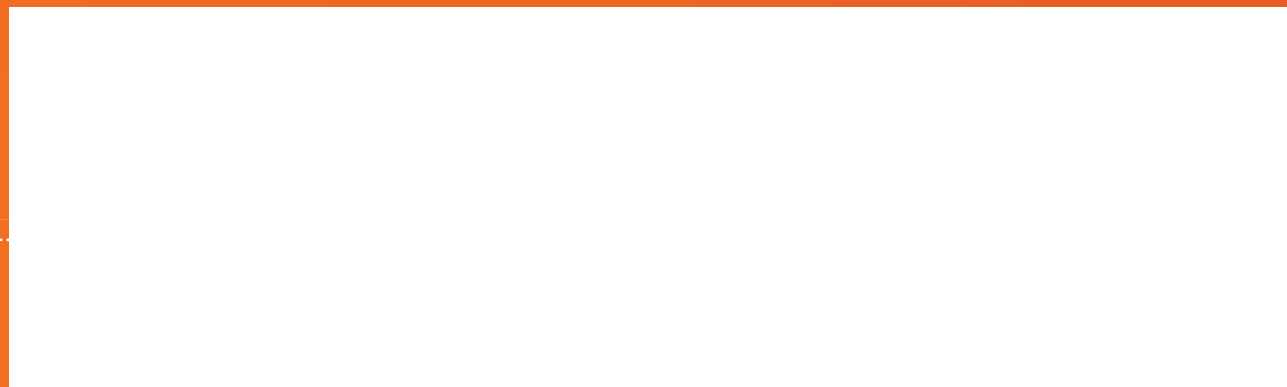
Please note: in accordance with the regulations on charges relating to measuring and calibration (measuring and calibration charges directive - Mess EGeBV annex (to § 3) - list of fees as of 1 January 2021), statutory fixed charges and testing fees not subject to discounts or cash discounts.

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	690,00



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