

SHARKY 775

Meter configuration

for software version F02-002



Offer

Order

Additional information

Quantity (pcs.)

Customer no.
(if available)

Company

Contact person

E-Mail

Telephone no.

Address

City

Postcode

Country

Contact person Diehl Metering

Application

Energy meter for heating
Energy meter for cooling (Flow Sensor IP 68)
Energy meter for combined heating / cooling (energy meter with cooling tariff) (Flow Sensor IP 68)

Nominal size q_p

0.6 m ³ /h 110 mm thread DN 15 G ³ / ₄ B
0.6 m ³ /h 130 mm thread DN 20 G1B
0.6 m ³ /h 190 mm thread DN 20 G1B
0.6 m ³ /h 190 mm flange DN20
1.0 m ³ /h 110 mm thread DN 15 G ³ / ₄ B
1.0 m ³ /h 130 mm thread DN 20 G1B
1.5 m ³ /h 110 mm thread DN 15 G ³ / ₄ B
1.5 m ³ /h 130 mm thread DN 20 G1B
1.5 m ³ /h 190 mm thread DN 20 G1B
1.5 m ³ /h 190 mm flange DN 20
2.5 m ³ /h 130 mm thread DN 20 G1B
2.5 m ³ /h 190 mm thread DN 20 G1B
2.5 m ³ /h 190 mm flange DN 20
3.5 m ³ /h 135 mm thread DN 25 G1 ¹ / ₄ B
3.5 m ³ /h 150 mm thread DN 25 G1 ¹ / ₄ B
3.5 m ³ /h 150 mm thread DN 32 G1 ¹ / ₂ B
3.5 m ³ /h 260 mm thread DN 25 G1 ¹ / ₄ B
3.5 m ³ /h 260 mm flange DN 25
3.5 m ³ /h 260 mm thread DN 32 G1 ¹ / ₂ B
3.5 m ³ /h 260 mm flange DN 32
6 m ³ /h 135 mm thread DN 25 G1 ¹ / ₄ B
6 m ³ /h 150 mm thread DN 25 G1 ¹ / ₄ B
6 m ³ /h 150 mm thread DN 32 G1 ¹ / ₂ B
6 m ³ /h 260 mm thread DN 25 G1 ¹ / ₄ B
6 m ³ /h 260 mm flange DN 25
6 m ³ /h 260 mm thread DN 32 G1 ¹ / ₂ B
6 m ³ /h 260 mm flange DN 32
10 m ³ /h 200 mm thread DN 40 G2B
10 m ³ /h 300 mm thread DN 40 G2B
10 m ³ /h 300 mm flange DN 40
15 m ³ /h 270 mm flange DN 50
25 m ³ /h 300 mm flange DN 65
40 m ³ /h 300 mm flange DN 80
60 m ³ /h 360 mm flange DN 100
100 m ³ /h 360 mm flange DN 100

Medium

Water
Tyfocon LS ¹

¹ Solar meter (q_p 0.6 – 2.5 m³/h)

Nominal pressure

PN 16 (only thread q_p 60 m ³ /h)
PN 25
PN 40 (only q_p 15 m ³ /h or 25 m ³ /h)

Installation

Forward
Return (standard)

Verification / declaration of conformity

without type approval mark ¹
with MID approval (with declaration of conformity) ²
with German approval according to PTB K 7.2 (only for energy meter for cooling)

¹ Solar meter only without approval available

² only possible for energy meter for heating or for heating with cooling tariff

Power supply

Battery 3.6 VDC (A-cell) up to 11 years lifetime (standard) ¹
Battery 3.6 VDC (D-cell) up to 16 years lifetime ²
Mains unit 230 VAC
Mains unit 24 VAC

¹ Radio period 180 seconds (Fixed Network)

² Radio period 12 seconds (Walk-By / Drive-By)

Energy unit

kWh (without digit after comma)
MWh (with 3 digit after comma)
MWh (with 2 digit after comma)
GJ (with 3 digit after comma)
GJ (with 2 digit after comma)
GJ (with 1 digit after comma)
Gcal (with 3 digit after comma)
Gcal (with 2 digit after comma)
MBtu (with 3 digit after comma)

(Units with other digits after comma on request)

Cable between calculator and flow sensor

0.25 m cable
1.5 m cable (standard)
3 m cable
5 m cable (not for q_p 3.5 m ³ /h – 6 m ³ /h)

Version of communication

Radio 868 MHz Open Metering (standard)
Radio 434 MHz Open Metering
Radio 868 MHz Real Data
Radio 434 MHz Real Data
without radio

Interfaces modules

Modules slot 1

without module (standard)
Pulse input module (2 inputs)
Analogue module (4 – 20 mA, 2 outputs) ¹
Combined module (2 pulse inputs / 1 pulse output) ²
Pulse output module (2 outputs)
M-Bus module
L-Bus module (external radio)
RS232 module
RS485 module

¹ no further module can be chosen

² no further pulse module can be chosen in slot 2

Modules slot 2

without module (standard)
Pulse input module (2 inputs) ¹
M-Bus module
L-Bus module (external radio)
RS232 module
RS485 module

¹ only if a pulse output module is chosen in slot 1

Diameter temperature sensor

Ø 5.2 mm standard (for pocket or direct installation)
Ø 6.0 mm for pocket installation ¹
Ø 3.6 mm for direct installation

¹ Selection only possible with a heat meter

Temperature sensor (pair)

without temperature sensor (prepared for Pt 100)
without temperature sensor (prepared for Pt 500)
Pt 500 / direct sensor AGFW (Ø 3.6 mm, 27.5 mm, 2 m cable)
Pt 100 / 2 m cable
Pt 500 / 2 m cable (standard) ¹
Pt 500 / 3 m cable ¹
Pt 500 / 5 m cable ¹
Pt 500 / 10 m cable ¹²

¹ for the application energy meter for cooling or energy meter with cooling tariff there is a label with both approvals (MID and approval for cooling)

² temperature sensors are not connected

Temperature sensor mounting

one sensor mounted in the flow part (only for direct sensors or sensors with Ø 5.2 mm, up to q_p 15 m ³ /h) (standard for sizes ≤ q_p 2.5 m ³ /h)
2 free sensors (standard for sizes ≥ q_p 3.5 m ³ /h)

Adapter / pockets (pair)

<u>without</u>

for 5.2 mm temperature sensors

Mounting set M10x1 for direct temp. Sensor installation
Mounting set M10x1 + Adapter M10xR½" for direct installation in T-piece
Brass pockets, 35 mm (MID approved)
Brass pockets, 52 mm (MID approved)
Brass pockets, 85 mm (MID approved)
Brass pockets, 120 mm (MID approved)
Stainless steel pockets, 85 mm (MID approved)
Stainless steel pockets, 120 mm (MID approved)
Stainless steel pockets, 155 mm (MID approved)
Stainless steel pockets, 210 mm (MID approved)

for 6.0 mm temperature sensor

Brass pockets, 40 mm (MID approved)
Brass pockets, 85 mm (MID approved)
Brass pockets, 120 mm (MID approved)
Stainless steel pockets, 85 mm (MID approved)
Stainless steel pockets, 120 mm (MID approved)
Stainless steel pockets, 155 mm (MID approved)
Stainless steel pockets, 210 mm (MID approved)