ENGINEERING
TOMORROW

Data sheet

SonoSelect 10 and SonoSafe 10 Energy Meters

Description



The Danfoss SonoSelect 10 and SonoSafe 10 are ultrasonic compact energy meters intended for measuring energy consumption in heating, cooling and combined heating and cooling applications for billing purposes. The meters are designed for remote meter read-out (AMR).

The energy meters consist of an ultrasonic flow sensor, a pair of Pt1000 temperature sensors and a calculator with integrated circuits for temperature measurement, flow calculation and energy calculation.

Feature highlights:

- Proven ultrasonic measuring principle designed for long operating life time
- No calming section or inlet/outlet restrictions
- Low pressure drop down to 0.03 bar at q_p
- Large 85 x 35 mm LCD display with 8 digits (11.5 mm high), guiding menu and info panel
- Compact design
- Extensive change and error log
- Memory: 4 years of data, yearly and monthly values stored (incl. pulse input)
- Upgradable with communication modules in bracket (dual M-Bus, connection with water meter)
- Power supply 3.6V battery (replacable) or 230V mains power
- Communication baud rate 300, 2400, 4800 and 9600 bps
- SonoApp usable for Android (Bluetooth LE via dongle)

Special features:	SonoSelect 10	SonoSafe 10
Battery	• 16 + 1 years battery life (from production date)	• 10 + 1 years battery life
Flexibility	• Heating or cooling or combined heating and cooling • Supply and return can be configured on site • Energy units can be configured on site • Slot for communication upgrade • 1.5m PUR or silicone cable between calculator and flow sensor allow for flexible installation, e.g. in flat stations	• Heating • Energy units can be configured on site • Slot for communication upgrade • 0.5 m cable PVC between calculator and flow sensor
Safety	• EN1434 class 2 + flow and energy calculated every 0.5 second • Tamper monitor sets alarm if meter is opened by unauthorized personnel • Diagnostic function to secure confidence in meter data • IP65 calculator • Reverse flow indication	• EN1434 class 2 + flow and energy calculated every 2 seconds • IP54 calculator
SonoApp	• Installer tool (Guides and configure e.g. AMR, Pulse, units, supply/return) • Commissioning tool (Link location to serial number) • Operation tool (walk by + diagonstics)	• Installer tool (Guides and configure e.g. AMR, Pulse, units) • Operation tool (walk-by) • Commissioning tool (Link location to serial number)

Technical specifications, Complete energy meter

Application	Heating, cooling or combined heating and cooling*		
Medium	Water quality with pH 7 to 9.5 VDI 2035, VdTÜV TCh 1466		
Approvals, heating	EN1434 class 2 and 3, MID (DK-0200-MI004-034), CPA according to JJG225 -2010		
Approvals, cooling	Denmark: TS 27.02 010, Switzerland: METAS CH-T2-17763-01, Germany: PTB 17-22.001-DK, Austria: BEV-13.426_0078-E2_2017		
Measuring cycle	Flow: 0.5 sec. (SonoSelect 10), 2 sec. (SonoSafe 10) Energy: 0.5 sec. (SonoSelect 10), 2 sec. (SonoSafe 10) Temperature: 4 sec. (SonoSelect 10), 10 sec. (SonoSafe 10)		
Approved meteorological range	SonoSafe	SonoSelect	
	ΔΘ: 3- 90K	ΔΘ: 3 - 90K	ΔΘ: 3 - 125K
	Θ: 5- 95 °C	Θ: 5 - 95 °C	Θ: 5 - 130 °C
Temp. limits (energy calculation)	SonoSafe	SonoSelect	
	ΔΘ: 0.25 - 100K	ΔΘ: 0.25 - 100K	ΔΘ: 0.25 - 130K
	Θ: 0 - 105 °C	Θ: 0 - 105 °C	Θ: 0 - 140 °C
IP	65 (SonoSelect 10), 54 (SonoSafe 10)		
Cable strain relief	Withstand more than 5 kg		
Ambient operating temperature	Class A: 5 - 55° C indoor installation non condensing		
Ambient storage temperature	-25 - 60° C		
Temperature media	SonoSafe	SonoSelect	
	5-95 °C	5-95 °C	5-130 °C
Mechanical environment	Class M2		
Electromagnetic environment	Class E1		

** Bifunctional energy meters available only in approved meteorological range 5-95 °C*

Technical specifications, Calculator

Power supply	3.6 V DC lithium battery (2 AA SonoSelect 1 AA SonoSafe), Mains supply 230V AC	
Battery life time*	16+1 years (SonoSelect 10), 10+1 years (SonoSafe 10)	
Mains Supply	Voltage of Alternating Current	230V AC
	Upper and lower voltage tolerance	+10%/-15%
	Alternating current voltage frequency	50/60 Hz
	Power consumption	< 2.5VA
	Output	3.6V DC
	Backup supply	Integral SuperCap eliminates interruptions of Energy meter due to power failures for up to 60 Min.
	Cable gland	M12
	Mains supply cable	2 wire with PHR3-2 connector for Mains supply
Display	85 x 35 mm LCD display with 8 digits (11.5 mm high main characters) Menu guide and info panel 16 years of operation at q_p, 45 °C without display overflow	
Units	MWh - kWh - GJ - Gcal - °C - K - m^3 - m^3/h - l/h	
Memory	4 years of data, yearly and monthly values stored (incl. pulse input) available as of FW01.06.00	
Optical interface	Optical acc. to EN62056-21. Data protocol acc. to EN13757-3, supports 2400 or 4800 baud.	
Communication	Wired M-Bus to EN13757-3, supports 300, 2400, 4800, 9600 baud. Delivered with 1 m cable (SonoSelect 10: PUR, SonoSafe 10: PVC) Serial number: **sssss**vvNNy**yWW** (addressing) **ss**: Primary address, **yWWssssss**: Secondary address	
Additional communication	1 slot for communication module (delivered from factory or later upgrade)	

** Battery life time measured under following preconditions: enclosure temp. 45° C, communication every 15 min. at 2400 baud or faster, 80 meters on bus. Please contact Danfoss for further information.*

Technical specifications, Flow sensor

DN		15	15	20	20	25	25	25	32
Nominal flow q_p	(m^3/h)	0.6	1.5	1.5	2.5	3.5	3.5	6.0	6.0
Max flow q_s	(m^3/h)	1.2	3	3	5	7	7	12	12
Minimum flow (1:100) q_i*	(m^3/h)	0.006	0.015	0.015	0.025	0.035	0.035	0.06	0.06
Cut off flow q_c	(m^3/h)	0.0012	0.003	0.003	0.005	0.007	0.007	0.012	0.012
Overflow q_{ss}	(m^3/h)	1.32	3.3	3.3	5.5	7.7	7.7	12.3	12.3
Pressure drop (at q_p 50 °C)	(mBar)	30	150	150	160	130	130	220	220
K_{vs} values ($\Delta p=Q2/K_{vs}2$)		3.46	3.87		6.25	9.71	9.71	12.79	
Connection		G¾A" 110mm		G1A" 130mm		G1¼A" 160mm	G1¼A" 260mm	G1¼A" 260mm	G1½A" 260mm
Pressure PN	(bar)	16 (SonoSafe); 16 and 25 (SonoSelect)							
IP [EN60529]		65							
Temperature limits	(°C)	0 to 105 (SonoSafe); 0 to 105 and 0 to 130 (SonoSelect)							
Cable length		1.5m (SonoSelect 10: PUR or silicone), 0.5m (SonoSafe 10: PVC)							
Mounting		Any position, no inlet or outlet restrictions							

** Technically prepared for 1:250 q_i*

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Technical specifications, Temperature sensor

Type	Pt1000 direct short, 2 wire		
Size	Diameter: Ø5.2 mm, length: 26 mm		
Nipple	M10 x 1 mm brass, with pin lock		
Cable length	1.5 m		
Accuracy	Class B (EN60751)		
Temperature range	SonoSafe	SonoSelect	
	5 to 95 °C	0 to 105 °C	0 to 150 °C
IP	65		
Approved temp. range to EN60751	SonoSafe	SonoSelect	
	Θ: 0 - 105 °C	Θ: 0 - 105 °C	Θ: 0 - 150 °C
Difference temp. EN60751	SonoSafe	SonoSelect	
	ΔΘ:3 - 105 K	ΔΘ:3 - 105 K	ΔΘ:3 - 150 K
Pressure	25 bar		

Communication modules

Modules in general

To adapt the meter for various applications SonoSelect 10 and SonoSafe 10 features a slot for mounting communication modules. Each module features its own µ-controller and is powered by its own battery. Modules have their own parameter set which is saved in the module µ-controller flash memory. A local copy of the energy meter parameters used for communication is stored in the module. Data from module is updated in meter every 10 minutes.
Power: Lithium Thionyl Chloride battery (half of AA size) or Mains power supply (230 V).
2 pulse in/outputs have common ground.
Modules are galvanically isolated from main Energy Meter circuitry.

Wired M-Bus module with 2 pulse inputs

Once installed the meter will display the icon for wired communication and pulse inputs in loop 2 of the display. Wired M-Bus is galvanically isolated from µ-controller and pulse inputs. The two pulse inputs can be programmed independently of each other (see specification for pulse input module).

M-Bus (primary)	Lithium Thionyl Chloride battery (half of AA size)
M-Bus (secondary)	M-Bus supply
Baud rate supported	300, 2400, 4800, 9600
Communication protocol	According to EN1434-3 & EN13757-3
Battery life time	16+1 year
Addressing	Serial number: **sssss**vvNNy**yWW** **ss**: Primary address, ***yWWssssss***: Secondary address

Wireless OMS communication module, 868.95MHz with 2 pulse inputs

Once installed the meter will display the icon for wireless communication and pulse inputs in loop 2 of the display. The two pulse inputs can be programmed independently of each other (see specification for pulse input module).

Standard	Open Metering System (OMS) issue 4.0.2
Frequency	868.95 MHz
Antenna	Internal
Transmission power	10mW (Max. 25mW; 13,9 dBm)
Mode	T1 mode
Encryption	AES 128 bit encryption (mode 5), Parameterized Static key
Sending interval	Fixed network: 15 min.
Telegram	Standard telegram*
Battery life time	16+1 year (with pulse inputs off)
Addressing	Serial number: **sssss**vvNNy**yWW** ***yWWssssss***: Secondary address

** See section with data telegram.*

2 pulse input module

Once installed the meter will display the icon for pulse inputs in loop 2 of the display. Accumulated volume is only readable by communication. The two pulse inputs can be programmed independently of each other.

Pulse value	0.001 m^3 to 1 m^3 per pulse
Voltage supply	≤ 6.0 V
Source current	≤ 0.1 mA
High level input threshold	≥ 2 V
Low level input threshold	≤ 0.5 V
Pull-up resistor	100 kΩ
Pulse length	≥100 ms
Maximum frequency	≤ 5 Hz
Pulse inputs	According to EN1434-2, section 7.1.5 (Classification of pulse input devices Class IB)*
Battery life time	16+1 year

** Suitable for both electronic switch and Reed contact.*

Communication modules *(continuous)*

2 pulse output module

Once installed the meter will display the icon for wired communication in loop 2 of the display.

Pulse 1 (energy*)	+ terminal 16, - terminal 17
Pulse 2 (volume*)	+ terminal 18, - terminal 19
Pulse value*	Unit follow the display. Scaling follow least significant digit of the display (default setting can be changed via SonoApp)
Pulse timing	Updates every 15 seconds
Polarity reversal:	Not possible, but can withstand -30V, max 27 mA without damage
Pulse length	≥100 ms
Pulse Pause:	≥100 ms
Voltage supply	3-30 V
Source current	≤ 27 mA
"ON" condition	U<2,0 @ 27 mA
"OFF" condition	R>=6 MΩ
Maximum frequency	≤ 5 Hz
Pulse outputs	According to EN1434-2, section 8.2.3 (Classification of pulse output devices Class OB)
Battery life time	16+1 year
Cable length	Max 25 m
Alarms	E32 is activated in meter if: 1) Module battery is empty 2) When no. of delayed pulses exceeds 5000 (incorrect scaling)

**Default setting. Can be changed via SonoApp*

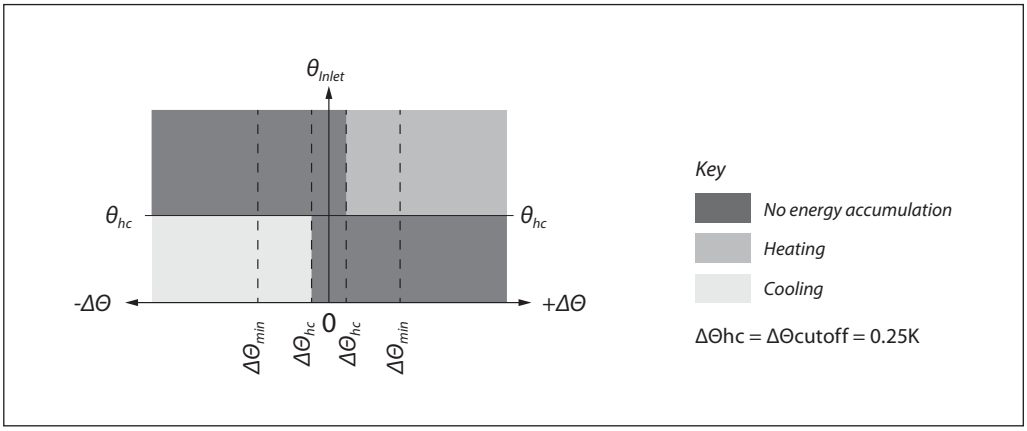
Data telegram

Wired M-bus	Wireless M-bus (OMS)	Wireless M-Bus (Walk -by)
Standard telegram (16 seconds if main powered): • Accumulated Energy (heat and cooling for bifunctional) • Accumulated Volume (heat and cooling for bifunctional) • Current flow • Current power • Supply temperature • Return temperature • Difference temperature • Enclosure temperature • Current time • Hour counter factory • Hour counter OK	Standard telegram fixed network (15 minutes sending interval, 16 seconds if mains powered): • Accumulated Energy (heat and cooling for bifunctional) • Accumulated Volume (heat and cooling for bifunctional) • Current flow • Current power • Supply Temperature • Return Temperature • Current Time	Standard telegram Walk by (2 minutes sending interval, 16 seconds if mains powered): • Accumulated Energy (heat and cooling for bifunctional) • Accumulated Volume (heat and cooling for bifunctional) • Current Time • Hour counter factory • Month log 1 (last month log)

***Note!** Default setting can be changed via SonoApp*

Bifunctional meters

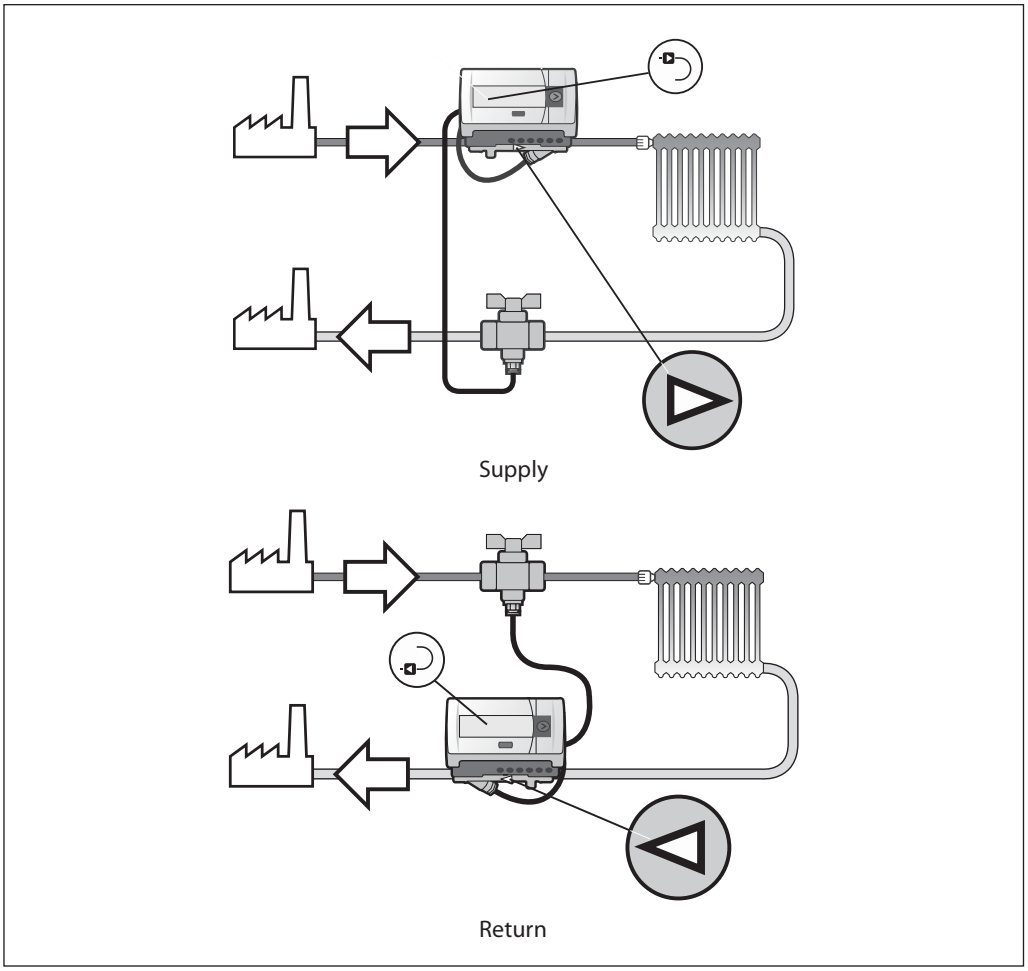
Bifunctional meters are for combined heating and cooling applications. Θ_{hc} default value is 30 °C it can be configured with SonoApp. Bifunctional energy meters available only in approved meteorological range 5-95 °C.



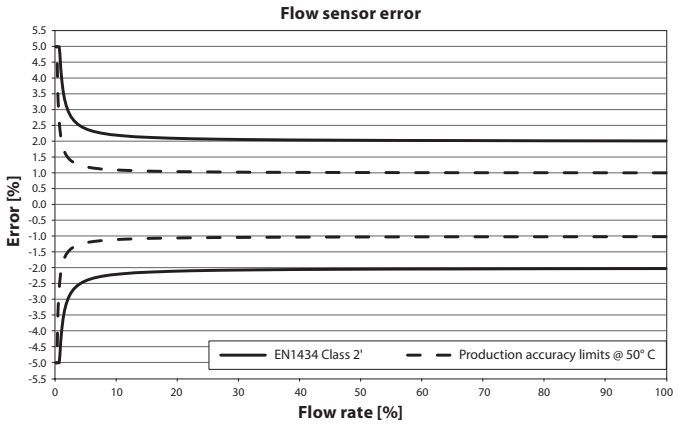
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Application drawings

Heat meters have red temp sensor in supply pipe and all cooling meters have blue temp sensor in supply pipe

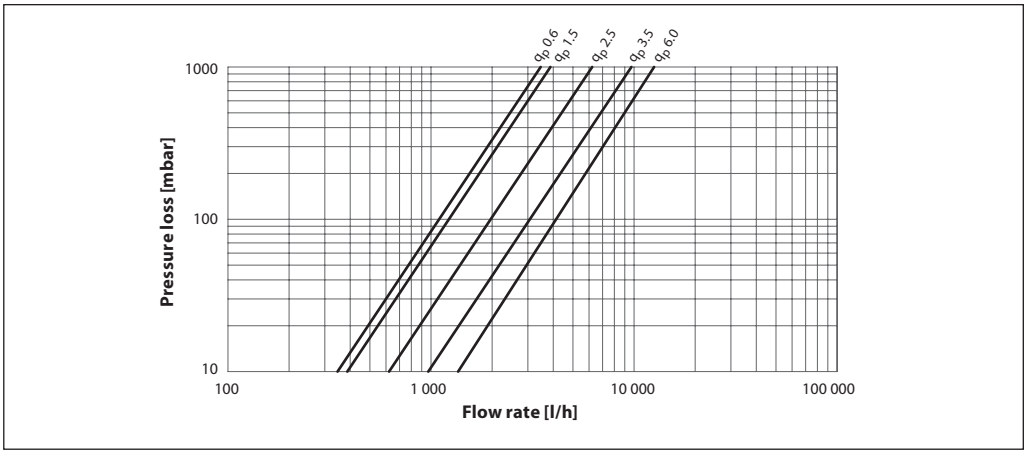


Accuracy

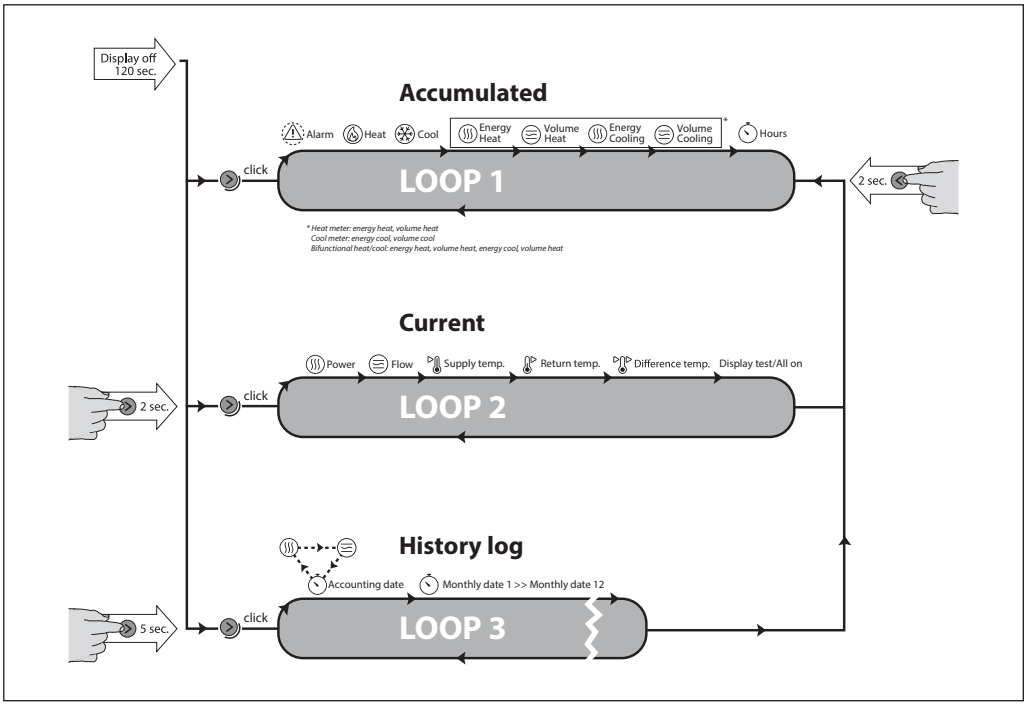


Note: *In accordance with EN 1434.*

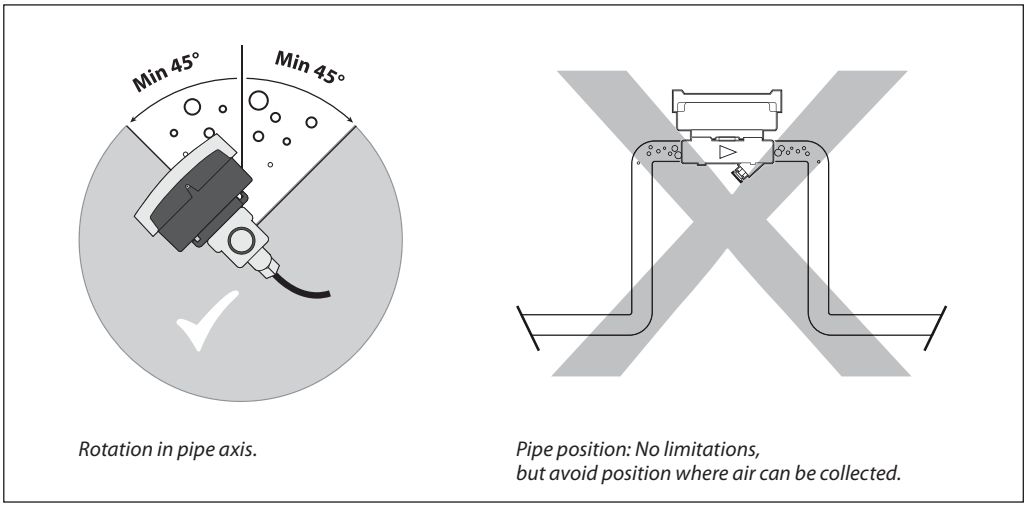
Pressure loss



Menu structure



Mounting

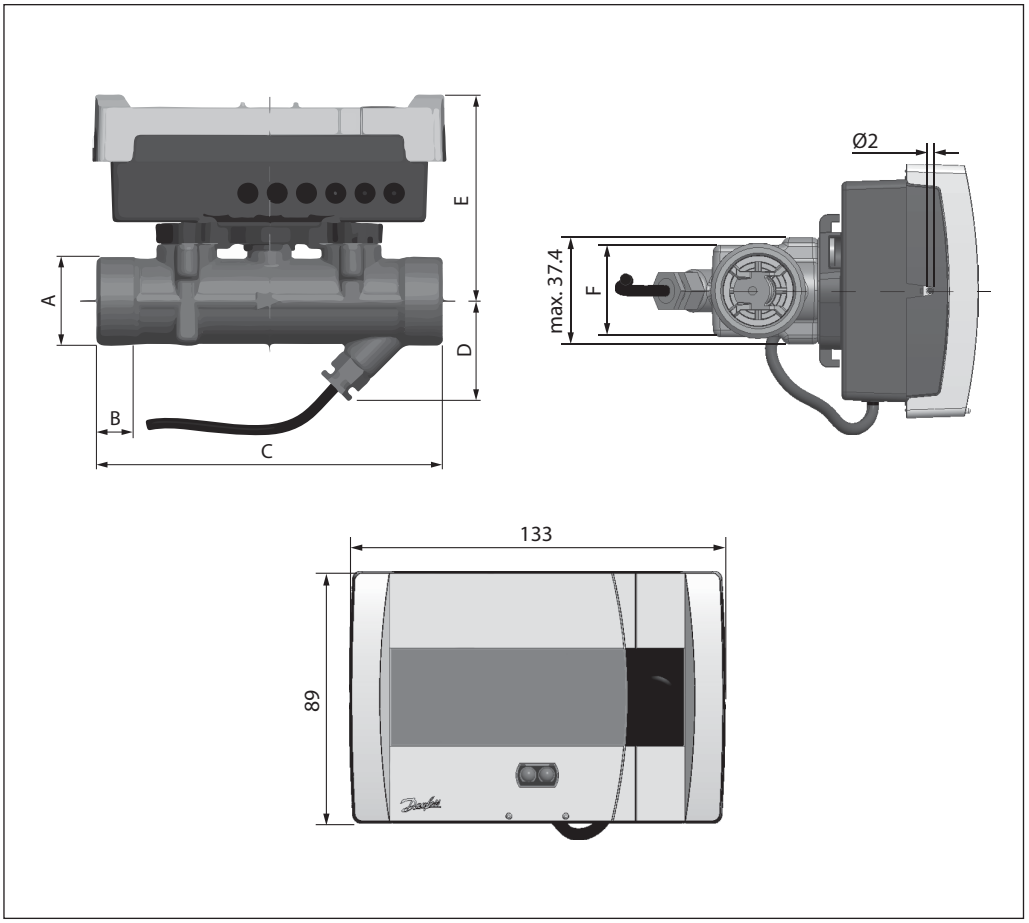


Rotation in pipe axis.

Pipe position: No limitations,
but avoid position where air can be collected.

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Dimensions



Dimension	DN15	DN20	DN20 + extension pipe 014U1957	DN25	DN25	DN32
A	G¾A	G1A	G1A	G1¼ A	G1¼ A	G1½A
B	12 mm	14 mm	14 mm	16 mm	16 mm	18 mm
C	110 mm	130 mm	190 mm	160 mm	260 mm	260 mm
D	33.5 mm	38 mm	38 mm	40.5 mm	40.5 mm	40.5 mm
E	74.5 mm	77.5 mm	77.5 mm	80.5 mm	80.5 mm	80.5 mm
F	32 mm	32 mm	32 mm	41 mm	41 mm	41 mm
Weight	700 g	800 g	1100 g	1100 g	1500 g	1600 g

Ordering
SonoSelect 10 - Heating

Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN15 qp0.6m³/h G¾ 110mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0068**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0069**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0070**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0071**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0165**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0166**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0183**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0184**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0324**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0338**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0339**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0449**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0450**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0405**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0406**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0419**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0420**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0433**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0434**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0542**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0543**
DN15 qp1.5m³/h G¾ 110mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0081**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0082**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0083**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0084**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0167**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0168**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0185**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0186**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0247**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0253**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0326**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0340**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0341**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0350**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0451**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0452**
		Return	5-95°C	PUR 5.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0495**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0407**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0408**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0421**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0422**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0435**

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Ordering
SonoSelect 10 - Heating *(continuous)*

Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN15 qp1.5m³/h G¾ 110mm	PN25	Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0436**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0544**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0545**
DN20 qp1.5m³/h G1 130mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0094**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0095**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0096**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0097**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0169**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0170**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0187**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0188**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0248**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0342**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0343**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0351**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0453**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0454**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0409**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0410**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0423**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0424**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0437**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0438**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0546**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0547**
DN20 qp2.5m³/h G1 130mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0107**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0108**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0109**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0110**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0171**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0172**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0189**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0190**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0249**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0325**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0327**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0344**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0345**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0352**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0455**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0456**
		Return	5-95°C	PUR 5.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U0496**

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Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN20 qp2.5m³/h G1 130mm	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0411**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0412**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0425**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0426**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0439**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0440**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0548**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0549**
DN25 qp3.5m³/h G1¼ 160mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0120**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0121**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0122**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0123**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0173**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0174**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0191**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0192**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0335**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0457**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0458**
DN25 qp3.5m³/h G1¼ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0133**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0134**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0135**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	GJ	**014U0136**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0346**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0347**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0447**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0448**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0459**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0460**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0413**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0414**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0427**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0428**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0441**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0442**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0550**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0551**

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Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN25 qp6.0m³/h G1¼ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0268**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0269**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0270**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0271**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0272**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0273**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0328**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0336**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0348**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0349**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0461**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0462**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0415**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0416**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0429**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0430**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0443**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0444**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0552**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0553**
DN32 qp6.0m³/h G1½ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0278**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0279**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0280**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0281**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0282**
		Supply	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0283**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0337**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0463**
		Supply	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0464**
	PN25	Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0417**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0418**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0431**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U0432**
		Return	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0445**
		Supply	5-130°C	silicone 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0446**
		Return	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0554**
		Supply	5-130°C	silicone 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0555**

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Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN15 qp0.6m³/h G¾ 110mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0001**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0002**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0026**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0027**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0235**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0236**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0250**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0003**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0004**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0028**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0029**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0203**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0204**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0361**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0362**
DN15 qp1.5m³/h G¾ 110mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0005**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0006**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0033**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0034**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0237**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0238**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0251**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0007**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0008**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0035**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0036**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0205**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0206**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0363**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0364**
DN20 qp1.5m³/h G1 130mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0009**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0010**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0040**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0041**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0239**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0240**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0011**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0012**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0042**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0043**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0207**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0208**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0365**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0366**
DN20 qp2.5m³/h G1 130mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0013**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0014**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0047**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0048**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0241**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0242**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0252**

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Ordering
SonoSafe 10 - Heating *(continuous)*

Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN20 qp2.5m³/h G1 130mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0015**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0016**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0049**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0050**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0209**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0210**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0367**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0368**
DN25 qp3.5m³/h G1¼ 160mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0017**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0018**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0054**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0055**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0243**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0244**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0332**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0019**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0020**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0056**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0057**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0211**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U0212**
DN25 qp3.5m³/h G1¼ 260mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0021**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0022**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0061**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	GJ	**014U0062**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0245**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U0246**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0023**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0024**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0063**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	GJ	**014U0064**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0369**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0370**
DN25 qp6.0m³/h G1¼ 260mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0264**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0265**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0333**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0266**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0267**
		Return	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0371**
		Supply	5-95°C	PVC 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U0372**
DN32 qp6.0m³/h G1½ 260mm	PN16	Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0274**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	No module	kWh	**014U0275**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U0334**
		Return	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0276**
		Supply	5-95°C	PVC 1.5m	Battery 3.6V DC (1 AA-cell)	Wired M-Bus	No module	kWh	**014U0277**

Ordering
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Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN15 qp0.6m³/h G¾ 110mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1400**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1405**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1410**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1448**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1456**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1463**
DN15 qp1.5m³/h G¾ 110mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1401**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1406**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1411**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1415**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1435**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1449**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1455**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1457**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1464**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1470**
DN20 qp1.5m³/h G1 130mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1402**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1407**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1412**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1416**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1450**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1458**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1465**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1471**
DN20 qp2.5m³/h G1 130mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1403**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1408**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1413**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1417**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1436**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1451**
		Return	5-95°C	PUR 5.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1473**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1459**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1466**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1472**
DN25 qp3.5m³/h G1¼ 160mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1404**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1409**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1414**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1452**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1453**
		Return	5-95°C	PUR 5.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1474**

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Ordering
SonoSelect 10 - Cooling *(continuous)*

Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN25 qp3.5m³/h G1¼ 160mm	PN25	Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1460**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1467**
DN25 qp3.5m³/h G1¼ 260mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1424**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1425**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1426**
DN25 qp6.0m³/h G1¼ 260mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1429**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1430**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1431**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1437**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1461**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1468**
DN32 qp6.0m³/h G1½ 260mm	PN25	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1432**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1433**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1434**
		Return	5-95°C	PUR 3.0m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1454**
		Return	5-95°C	PUR 5.0m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	Wired M-Bus with 2 pulse inputs	kWh	**014U1475**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1462**
		Return	5-95°C	PUR 1.5m	Mains power 230V	None	Radio OMS 868,95 with 2 pulse inputs	kWh	**014U1469**

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SonoSelect 10 - Combined Heating and Cooling

Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN15 qp0.6m³/h G¾ 110mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1300**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1307**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1314**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1334**
DN15 qp1.5m³/h G¾ 110mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1301**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1308**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1315**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1335**
DN20 qp1.5m³/h G1 130mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1302**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1309**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1316**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1336**
DN20 qp2.5m³/h G1 130mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1303**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1310**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1317**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1337**
DN25 qp3.5m³/h G1¼ 160mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1304**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1311**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1318**
			5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1338**
DN25 qp3.5m³/h G1¼ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1319**
DN25 qp6.0m³/h G1¼ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1305**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1312**

Data sheet SonoSelect 10 and SonoSafe 10 energy meters

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Meter size	PN	Installation	Temperature Range [Θ]	Cable length temperature sensor	Power supply	Integrated communication	Modules	Energy unit	Code No.
DN25 qp6.0m³/h G1¼ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1320**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1339**
DN32 qp6.0m³/h G1½ 260mm	PN16	Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	No module	kWh	**014U1306**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	None	Radio OMS WB 868,95 with 2 pulse inputs	kWh	**014U1313**
		Return	5-95°C	PUR 1.5m	Battery 3.6V DC (2 AA-cell)	Wired M-Bus	2 pulse inputs	kWh	**014U1321**
		Return	5-95°C	PUR 1.5m	Mains power 230V	Wired M-Bus	No module	kWh	**014U1340**

Accessories

Product	Designation	Quantity	Code No.
Tailpiece connection set	DN15 G3/4"-R1/2" PN25 130 °C	1 set	**087G6071**
Tailpiece connection set	DN20 G1"-R3/4" PN25 130 °C	1 set	**087G6072**
Tailpiece connection set	DN25 G1 1/4"-R1" PN25 130 °C	1 set	**087G6073**
Tailpiece connection set	DN15 G3/4"-R1/2" PN16 95 °C	1 set	**014U1936**
Tailpiece connection set	DN20 G1"-R3/4" PN16 95 °C	1 set	**014U1937**
Tailpiece connection set	DN25 G1 1/4"-R1" PN16 95 °C	1 set	**014U1938**
Tailpiece connection set	DN32: G1 1/2"-R5/4" PN25 130 °C	1 set	**014U1939**
Adapter for temperature sensor	Adapter R½" to M10x1 (32pcs.) - conical thread for sealing with hemp. PN25 130 °C	32 pcs	**014U1935**
Adapter for temperature sensor	Adapter R½" to M10x1 (1pc) - conical thread for sealing with hemp. PN25 130 °C	1 pc	**014U1941**
Adapter for temperature sensor	Adapter R½" to M10x1 (32pcs.) - incl. copper gasket for flat sealing. PN25 130 °C	32 pcs	**087G6076**
Adapter for temperature sensor	Adapter R½" to M10x1 (1pc) - incl. copper gasket for flat sealing. PN25 130 °C	1 pc	**087G6075**
Tee fitting	T-fitting DN15: G½", G½", G½" PN25 130 °C	1 pc	**014U1959**
Tee fitting	T-fitting DN20: G¾", G½", G¾" PN25 130 °C	1 pc	**014U1960**
Tee fitting	T-fitting DN25: G1", G½", G1" PN25 130 °C	1 pc	**014U1961**
Tee fitting	T-Fitting DN32: G11/4", G½", G11/4" PN25 130 °C	1 pc	**014U1943**
Ball valve	G½" internal thread, Pt sensor connection M10, PN25 130 °C	1 pc.	**187F0593**
Ball valve	G½" internal thread, Pt sensor connection M10, PN25 130 °C	12 pcs.	**087H0118**
Ball valve	G¾" internal thread, Pt sensor connection M10, PN25 130 °C	1 pc.	**187F0592**
Ball valve	G¾" internal thread, Pt sensor connection M10, PN25 130 °C	12 pcs.	**087H0119**
Ball valve	G1" internal thread, Pt sensor connection M10, PN25 130 °C	1 pc.	**187F0591**
Ball valve	G1" internal thread, Pt sensor connection M10, PN25 130 °C	12 pcs.	**087H0120**
Wall mounting kit	Calculator wall mounting	1 set	**014U1945**
Cable	M-Bus 2 wire cable (22 AWG), 1 m PVC, ferrules	1 pc.	**014U1946**
Cable	M-Bus 2 wire cable (22 AWG), 2.5 m PVC, ferrules	1 pc.	**014U1947**
Cable	M-Bus 2 wire cable (22 AWG), 5 m PVC, ferrules	1 pc.	**014U1948**
Cable	M-Bus 2 wire cable (22 AWG), 9.75 m PVC, ferrules	1 pc.	**014U1949**
Cable	Pulse input/output 2 wire cable. (22 AWG), 2.5 m PVC, ferrules	1 pc.	**014U1950**
Cable	Pulse input/output 2 wire cable. (22 AWG), 5 m PVC, ferrules	1 pc.	**014U1951**
Cable	Pulse input/output 2 wire cable. (22 AWG), 9.75 m PVC, ferrules	1 pc.	**014U1952**
Extension pipe, L = 60 mm	DN20 x G1	1 pc.	**014U1957**
Extension pipe, L = 100 mm	DN25 x G1¼	1 pc.	**014U1958**
Gasket	DN15	1 set	**014U1964**
Gasket	DN20	1 set	**014U1965**
Gasket	DN25	1 set	**014U1966**
Gasket	DN32	1 set	**014U1942**
O-ring mounting kit	O-ring Ø4.3 x 2.4 + assembly tool	1 set	**014U1967**
Battery	Battery pack 1 AA cell	1 pc.	**014U1968**
Battery	Battery pack 2 AA cell	1 pc.	**014U1969**
Communication module	M-Bus module with 2 pulse inputs	1 pc.	**014U1998**
Communication module	Wireless OMS 868.95MHz with 2 pulse inputs	1 pc.	**014U1999**
Communication module	2 pulse inputs	1 pc.	**014U1995**
Bluetooth dongle	IR2BLE	1 pc.	**014U1963**
Sealing kit	4 x wire with + 4 x snap lock seal	1 set	**014U1962**

** On request new codes with unique specification combination can be created. If needed please contact you local product manager.*

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