

The LogoplusSonic is a modern ultrasonic heat, cooling or combined cooling/heat meter that has been specially developed and optimised for the special requirements of building services. The meter consists of a high-tech plastic volume measuring part, two permanently connected temperature sensors and a removable calculator which calculates the energy consumption from the volume and temperature difference. The meter combines modern microcomputer technology with an innovative ultrasonic measuring technique that does not require any mechanically moving parts.

With wM-Bus communication.



### Technical Specifications

- Ultrasonic principle.
- Heat meter, cooling meter or combined heat/cooling meter.
- Accurate, rugged, non-wearing.
- Glass-fiber reinforced measurement tube.
- Smart metering for all applications.
- No straight pipe sections necessary.
- Any mounting orientation without limitation.
- Environmental-friendly construction.
- Huge dynamic range: 1:1000.
- Temperature range: 5-90 °C.
- Battery operated up to 11 years.
- Communication: M-BUS, wM-BUS (OMS).
- Energy unit: kWh (NLD/POL: GJ)

### Classification General Data

<b>Etim Group</b>	Measuring and control devices
<b>Etim Class</b>	Heat meter
<b>Brand</b>	Meibes

**Attributes**

Connection	External thread
Max. allowable pressure	Other
Nominal pressure rating according to EN 1333	PN 16
Max. medium temperature (continuous)	90 Degrees celsius
Ambient temperature	5 - 55 °C Degrees celsius
Sensor type (temperature)	Pt500
Primary material	Other
Secondary material	Other
Type of power supply	Battery
Suitable for water	No
Suitable for anti-freeze medium	No
Degree of protection (IP)	IP54
Flow sensor position	Outlet flow
Supports energy unit MWh	No
Supports energy unit kWh	Yes
Supports energy unit GJ	No
Supports energy unit Gcal	No
Communication	Integrated
Type of communication	Radio 868 MHz
Supporting protocol for 3D-UNB	No
Supporting protocol for M-bus (wired)	No
Supporting protocol for MiniBus	No
Supporting protocol for Modbus	No
Supporting protocol for NB-IoT	No
Supporting protocol for OMS	Yes
Supporting protocol for wireless M-bus (wM-Bus)	Yes
Interface 4-20 mA	No
LoRa technology	No
Flow sensor accuracy class according to EN 1434	Class 2
Installation type temperature sensor	Direct
Diameter temperature sensor	5.2 Millimetre
Length temperature sensor	45 Millimetre

**Find more information online:**

[Installation and operating instructions](#)

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