

Q heat 5.5 US M-Bus / Impuls-IN

Metering precision meets reliability.

The ultrasonic heat meter with integrated M-Bus interface and two impulse inputs.

Ultrasonic metering technology represents precision, high material quality and ease of installation. **In conjunction with M-Bus**, the industry standard for wired networking, it enables data to be transmitted reliably and securely in buildings where radio-based transmission is limited by structural factors.

Thanks to the **high level of metering accuracy** with a dynamic range of up to 1:250, even the smallest flow rates are measured with precision, which is also ideal for separate application with hot water. Class 2 metering accuracy is also an available option.

The tried-and-tested, versatile range of applications has been extended to include heat meters with a cooling option.

Screw-type meters with **flow rates of 0.6 to 10.0 m³/h** are available for recording the **energy consumption of heating, cooling and hot water supply systems**.

The Q heat 5.5 US M-Bus / Impuls-IN is equipped with an **integrated M-Bus interface** and **two impulse inputs**. This allows, for example, the connection of up to two water meters with impulse output. This significantly reduces the installation work and expense involved in integration into an M-Bus network. Alternatively, a version with only an integrated M-Bus interface is also available.

Thanks to its **compact design and the standard feature of a removable calculator unit**, the Q heat 5.5 US M-Bus / Impuls-IN is ideally suited for tight installation situations that are difficult to access.

The mounting position can also be selected as required, so that overhead installation is also an easy option. In addition, it is possible to **switch on site between flow and return sensors, as well as between different energy units** (GJ - MJ <-> kWh - MWh).

Device parameterisation is user-friendly, thanks to the IR interface using the **Q app and Q tool**, or directly via the device buttons.



SCREW FITTING

110 mm / qp 0,6 m ³ /h
110 mm / qp 1,5 m ³ /h
130 mm / qp 1,5 m ³ /h
130 mm / qp 2,5 m ³ /h
150 mm / qp 3,5 m ³ /h
150 mm / qp 6,0 m ³ /h
260 mm / qp 3,5 m ³ /h
260 mm / qp 6,0 m ³ /h
200 mm / qp 10,0 m ³ /h
300 mm / qp 10,0 m ³ /h

In a nutshell

Reliability and precision

- › dirt-resistant, ultrasonic metering technology
- › location-independent, high dynamic range of up to 1:250
- › 10-year lithium battery (optionally 7-year)

Flexibility

- › low installation height
- › calculator unit removable as standard
- › can be installed in any position, even „overhead“
- › parameterisation using Q app / Q tool or via the device buttons
- › switch-over on site without replacing the temperature sensors

- › system optimisation by means of extended M-Bus data telegram

Wide range of variants

- › heat meter
- › heat meter with cooling option

Metering cycle

- › short and static temperature metering cycle every 12 seconds as standard (with 10-year battery)
- › ideal for use in home stations

System connection

- › integration into a Q M-Bus system

Temperature sensor Pt 1000

- › diameter: 5,0 mm - 5,2 mm - 6,0 mm - AGFW
- › cable lengths: 1,5 m / 3 m

- Dynamic range** › up to 1:250
- Accuracy classes** › 2 and 3