

# Q heat 5.5 US<sup>R</sup>

## Metering accuracy becomes future-proof.

The ultrasonic heat meter with integrated radio technology.

**Ultrasonic metering technology** stands for precision, high material quality and easy handling during installation. If this is combined with **integrated radio technology**, it becomes a convenience package in the field of consumption data acquisition.

Thanks to the **high level of metering accuracy** with a dynamic range of up to 1:250, even the smallest flow rates are recorded precisely, which is also ideal for separating out hot water. In addition, Class 2 metering precision is available.

The familiar, diverse range of applications has been expanded to include heat meters with cooling option and cold meters\*\*. For recording the **energy consumption of heating, cooling and hot-water heating systems**, there are screw-type meters available in the flow rates 0.6 to 10.0 m<sup>3</sup>/h.

In the Q heat 5.5 US R, radio data transmission is carried out as standard by sending **AMR and walk-by telegrams in C-Mode**. Optionally, only

AMR or AMR extended\* telegrams, which are used e.g. for system optimisation, are available.

**Thanks to the compact design and the removable calculator unit as standard**, the Q heat 5.5 US R is ideally suited for installation situations where space is limited or access is difficult. The installation position can also be selected as desired, which means that overhead installation is also possible without any problems. In addition, it is possible to **switch between supply and return flow on site, without having to change the temperature sensors, as well as between the energy units** (GJ - MJ <-> kWh - MWh).

The **device parameters** are set in a user-friendly way via the IR interface using **Q app and Q tool**, or directly via the device keys.

All ultrasonic heat meter variants can also be ordered with optional **AES encryption**; decryption is possible on request within the Q SMP on a tariff basis.



SCREW-TYPE
110 mm / qp 0.6 m <sup>3</sup> /h
110 mm / qp 1.5 m <sup>3</sup> /h
130 mm / qp 1.5 m <sup>3</sup> /h
130 mm / qp 2.5 m <sup>3</sup> /h
150 mm / qp 3.5 m <sup>3</sup> /h
150 mm / qp 6.0 m <sup>3</sup> /h
260 mm / qp 3.5 m <sup>3</sup> /h
260 mm / qp 6.0 m <sup>3</sup> /h
200 mm / qp 10.0 m <sup>3</sup> /h
300 mm / qp 10.0 m <sup>3</sup> /h

**NEW**  
-ready to order-

## Benefits

### Reliability and precision

- Patented, contamination-resistant ultrasonic metering process
- Position-independent, high dynamic range up to 1:250
- 10-year lithium battery (optionally 7 years)

### Flexibility

- Low installation height
- Removable calculator unit as standard
- Any installation position, also „overhead“
- Parameterisation via Q app and Q tool or device keys

- Installation location switchable without replacing of the temperature sensors
- Installation optimisation via AMR extended telegram

### Range of variants

- Heat meters
- Heat meters with cooling option
- Cold meters\*\*

### Metering cycle

- Short and static temperature measurement cycle every 12 seconds as standard (with 10-year battery)

- Ideal for use in central supply facilities

### System integration

- Integration in a Q AMR or Q walk-by 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
- Measuring accuracy class** 2 and 3

\* The AMR extended telegram corresponds to the AMR telegram plus the current supply temperature, current return temperature, current volume flow and current output.  
\*\* Currently available for nominal flow rates qp 0.6 m<sup>3</sup>/h, qp 1.5 m<sup>3</sup>/h and qp 2.5 m<sup>3</sup>/h