Q heat 5.5 US R

Metering accuracy becomes future-proof.

The new 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 1:100, 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 combined heat/cooling 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 / 1.5 and 2.5 m³/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 flow and return 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 software, 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 m³/h - *NEW*
110 mm / qp 1.5 m³/h
130 mm / qp 1.5 m³/h - *NEW*
130 mm / qp 2.5 m³/h

Benefits

Relieabiliry and precision
- Patented, contamination-resistant ultrasonic metering process
- Position-independent, high dynamic range up to 1:100
- 10-year lithium battery (optionally 7 years)

Flexibility
- Low installation height
- Removable calculator unit as standard
- Any installation position, also „overhead“
- Parameterisation via software or device keys
- Installation location and energy unit switchable
- Installation optimisation via AMR extended telegram

Range of variants
- Heat meters
- Heat/cooling meter

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 and 5.2 mm
- Cable lengths: 1.5 m / 3 m

Dynamic range up to 1:100
Precision class 2 and 3

EED READY

status: January 2022

* The AMR extended telegram corresponds to the AMR telegram plus the current flow temperature, current return temperature, current volume flow and current output.

QUNDIS GmbH · Sonnentor 2 · 99098 Erfurt/Germany +49 361 26 280-0 info@qundis.com **www.qundis.com**