

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

# Radio integration for even more convenience.

The new heat meter – an unparalleled range of options & flexibility.

The result when the icing on the cake is added to proven technology: the **new Q heat 5.5<sup>R</sup> with integrated radio technology**.

This further development of the compact Q heat product family sets a new benchmark in the future-proof radio recording of consumption data in apartment blocks and commercial buildings.

The familiar, diverse application possibilities remain unrestricted. Screw-type and metering capsule meters in various sizes are available for recording the **energy consumption of heating, solar and hot water systems**. In the case of screw-type meters, this involves the tried-and-tested flow rates of 0.6 / 1.5 and 2.5 m<sup>3</sup>/h.

The new Q heat 5.5 R with integrated radio technology simplifies the installation and start-up process, which in turn saves time and money.

The standard data transmission is

carried out by sending **AMR and walk-by telegrams in the C-Mode**.

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

In order to be able to react flexibly to a wide variety of requirements and installation situations, with the Q heat 5.5 R it is possible to **switch between flow and return on site without having to change the temperature sensors**.

In addition, it is also possible to change the energy unit (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 heat meter variants can also be ordered with optional **AES encryption**; if desired, decryption is possible on a tariff-related basis within the Q SMP.



SCREW-TYPE
80 mm / qp 1.5 m <sup>3</sup> /h
110 mm / qp 0.6 m <sup>3</sup> /h
110 mm / qp 1.5 m <sup>3</sup> /h
130 mm / qp 2.5 m <sup>3</sup> /h
MEASURING CAPSULE
Ista IST (G 2") / qp 0.6; 1.5 and 2.5 m <sup>3</sup> /h
Allmess A1 (M77 x 1.5) / qp 1.5 m <sup>3</sup> /h
Techem TE1 (M62 x 2) / qp 1.5 und 2.5 m <sup>3</sup> /h

## Benefits

### Universal application

- › Dynamic metering principle: hydraulic impeller transducer with non-magnetic scanning using the inductive principle
- › Suitable for service water circuits as well as water and glycol mixtures
- › Removable calculator unit
- › Parameterisation via Q app and Q tool or device keys
- › Installation location and energy unit switchable
- › 10-year lithium battery (optional 7 years)
- › Installation optimisation via AMR extended telegram

### Display

- › 8-digit LCD display
- › Display of current and cumulative values as well as many service and operating parameters
- › Display loop for quick readout
- › Saving of the maximum flow and return temperature as well as the max. flow rate with date

### Metering cycle

- › Static temperature measurement cycle every 36 seconds with 10-year battery (8 seconds with 7-year battery)
- › Ideal for use in central supply facilities

### System integration

- › Integration in an Q AMR or Q walk-by system

### Temperature sensor Pt 1000

- › Diameter: 5.0 mm / 5.2 mm / 6.0 mm and AGFW
- › Cable lengths: 1.5 m / 3 m

### Dynamic range

- › up to 1:50

### Precision class

- › 3

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