

# Q heat 5.5 US

## The all-rounder for precise recording.

The ultrasonic heat meter Q heat 5.5 US

**Q heat 5.5 US – the ultrasonic heat meter for all application situations.**

Ultrasonic heat meters are installed wherever particularly precise measurements with long-term stability are required. The optimum application area for the Q heat 5.5 US.

Thanks to **wear-free and precise ultrasonic technology**, the highest level of measuring precision is ensured across the entire product life cycle. The **measuring cycle** of Q heat 5.5 US works innovatively, because it is **adaptive**. This means that the temperature measurement temporarily shifts from 60 seconds to 4 seconds when there is a fast change in volume flow. Needs-based and economical.

The very robust volume measuring piece made from brass and other high quality materials prevent deposits and wear. Upon request, a

robust and **cost-efficient fibre-glass reinforced plastic version** is also available.

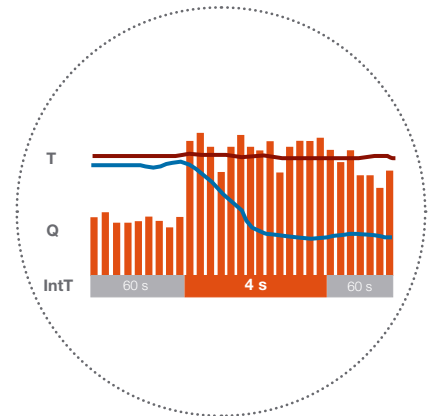
The assembly and installation of the Q heat 5.5 US are also impressive. The compact height and **standard removable calculating unit** enable application in the narrowest of spaces and the installation location can be selected freely. If necessary, it is possible to switch between forward and return flow on site.

Communication is (almost) everything. The Q heat 5.5 US offers a variety of communication solutions. In addition to **Impulse-Out** and **M-Bus** models, there is a version with an **integrated radio interface** for Q walk-by and Q AMR\* readout.

The variety of models is complemented by an additional selection of meters with **combined heat/cold metering\*\*** as well as just **cold metering**.



Brass and plastic version



Adaptive measuring cycle

## Advantages

### Dependability and precision

- › Ultrasonic measuring method
- › Battery for 6 or 11 years

### Variety of models

- › Heat meters
- › Heat/cold meters\*\*
- › Cold meters with approval as per K7.2
- › Brass or plastic version

### Installation

- › Low construction height
- › Standard removable calculating unit
- › Any installation location, even "overhead"
- › Forward and return flow parameters can be set on site

### Measuring cycle

- › Intelligent, adaptive measuring cycle: Temperature measurement every 60 seconds, every 4 seconds temporarily in the event of fast volume flow changes
- › Ideal for use with hot water separation

### System connection

- › Integration in the QUNDIS system landscape (Q M-Bus, Q AMR\*, Q walk-by) thanks to integrated communication
- › Radio model optimised with regard to transmission interval and telegram content for the QUNDIS system, incl. monthly values

### Installation sizes

- › Q<sub>p</sub> 0.6 m<sup>3</sup>/h with 110 mm installation length
- › Q<sub>p</sub> 1.5 m<sup>3</sup>/h with 110 mm installation length
- › Q<sub>p</sub> 2.5 m<sup>3</sup>/h with 130 mm installation length

### Temperature sensor Pt 500

- › Diameter: 5.0 mm / 5.2 mm
- › Cable length: 1.5 m

- Dynamic range** › 1:100  
**Accuracy class** › 2

\* exclusively for reception by Q gateway 5.5 direct

\*\* exclusively available as Basic, M-Bus and Impulse-Out communication model

