

# Q heat 5 US

## Ultrasonic precision.

The QUNDIS heat meter Q heat 5 US.

### Q heat 5 US – the new generation of heat meters.

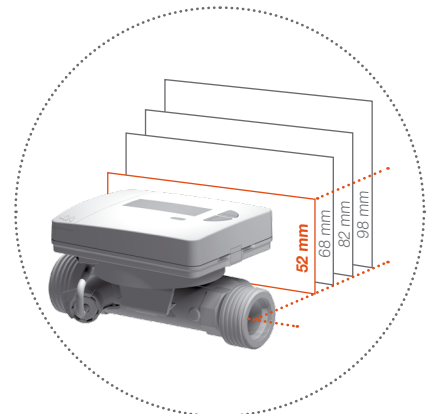
Ultrasonic heat meters are used wherever especially precise measurements with long-term stability are required. In most cases, the measuring range to be covered must be as large as possible, and even very small consumption quantities within the respective measuring range must be able to be determined exactly.

With our new development, the Q heat 5 US, these challenges are no longer a problem. The patented and innovative measuring process guarantees measuring accuracy over the whole product service life. In particular, the highgrade materials used ensure that deposits are prevented in the meter and that even a soiled medium almost does not lead to meter wear. In the Q heat 5

US an even shorter scanning rate has been achieved compared to the impeller wheel heat meter.

One major advantage is the compact design of the Q heat 5 US. The extremely small installation height allows it to be used in very narrow space. There is a free choice of installation position for the metering device, and even “upside down” installation is possible, allowing flexible adaptation to the installation conditions found on site. The device has a detachable calculator unit as a standard feature.

It goes without saying that the Q heat 5 US can be equipped with all available heat meter communication modules. This means the complete system landscape Q M-Bus, Q AMR and Q walk-by is available.



Installation height compared to selected well-known competitor models

## Key features

### High reliability

- › Comparable to dynamic measuring methods
- › By using our patented measuring method with soiling-resistant, high-quality mirrors
- › Thanks to the device's high protective rating (IP65)

### Installation

- › Minimum installation height compared to competitors, thus allowing more installation options in tight spaces (one of the smallest US heat meters on the market)

- › Heat meter can be installed in any position – even “upside down”

### System connection

- › Integration in the QUNDIS system landscape (Q M-Bus, Q AMR, Q walk-by)

### Measuring cycle

- › Fast measuring cycle:  
The fast measuring cycle of the Q heat 5 US has been reduced to a time interval of 12 seconds\* (Q heat 5 basic 36 seconds)

### Installation size

- › 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 PT1000

- › Diameters: 5.0 mm / 5.2 mm
- › Cable lengths: 1.5 m / 3 m

### Initial flow

› 3 l/h

### Dynamic range

› 1:100

### Precision class

› 3

\* with 10 years life time of battery