VHU50

VuHeat
utility billing corp

Ultrasonic Heat Meter

CE EN 1434

Package Contents

standard:

- VHU50 Heat Meter - Flanged 2" PN16
- Temperature Probe Pocket 63mm (1/2" BSP) x2
- Temperature sensors (PT1000) x2
- User Manual and Installation instructions

optional:

- Temperature sensor pockets of various sizes
- Hybrid Heat Meter Model

communication and interfaces:

- Wired as standard with M-Bus interface & Pulse output
- RF Wireless Communications uses the M-bus interface
- Low energy consumption up to 10 years battery life
- LCD with review of the last 12 months, consumer information may be displayed in the statistics menu

Product Features

- Metrological measurement to EN1434 standard
- MID Approved
- Superior Ultrasonic Measurement principle
- Low energy consumption ~ 10 year battery life
- Display may be dismounted for easier viewing
- Measurement range between 5 – 90 °C
- 16 Bar Max working Pressure
- 2" PN16 Flanged body
- M-Bus communications protocol (see options)

Dimensions

Length	200mm
Flange Diameter	165mm
Hole Centers	125mm
Number of Bolts	4 pieces
Bolt Size	16 Metric
Net Weight	8.9kg

Technical Specifications

ultrasonic flow meter:

Has the ability to make measurements at low flow rates

flow measuring range:

- Minimum flow rate (q): 0.15 m3 / h
- Nominal flow (qp): 15 m3 / h
- Maximum flow rate (qs): 30 m3 / h

temperature sensors (PT1000 matched pair):

- Starts to calculate △t at minimum of 0.1 °C
- High speed, platinum resistance sensor pair used
- The measurement temperature range is between 5 and 90 °C

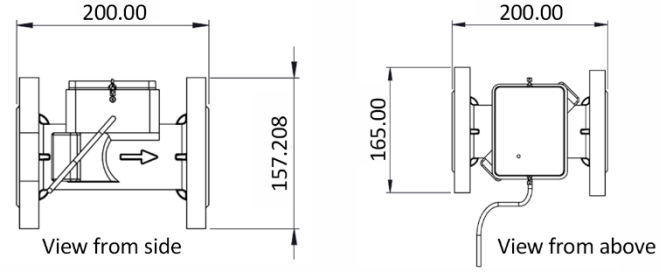
metrological characteristics:

- Manufactured according to EN 1434 standard
- 2004/22 / EC + 2009/137 / EC, produced by MID
- Accuracy class 2 d (Class 2)
- Protection class IP54 type
- Maximum allowable pressure (MAP) of 16 bar

Options

VHU50-P-MB	Pulse output & M-bus communication
VHU50- RF	Wireless RF

Drawings



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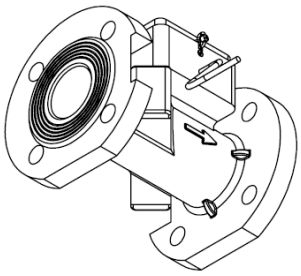
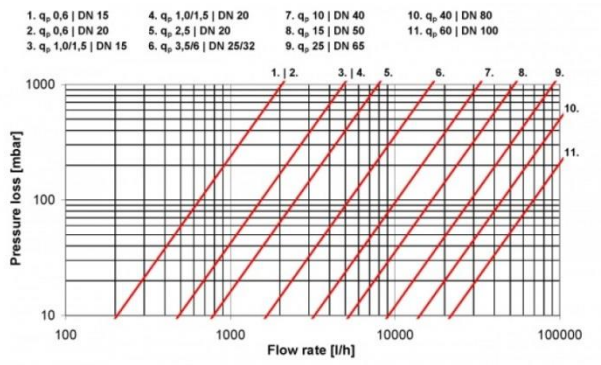
3D Drawing



Pressure Loss Curve



Main Operator Menu & Statistics