

Ultrasonic Heat Meter



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
- 3/4" PN16 Flanged body
- M-Bus communications protocol (See options)

Technical Specifications

ultrasonic flow meter:

Has the ability to make measurements at low flow rates.

flow measuring range:

- Minimum flow rate (q): 0.05 m³ / h
- Nominal flow (qp): 2.5 m³ / h
- Maximum flow rate (qs): 5 m³ / h

temperature sensors (matched pair):

- Starts to calculate Δt 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

Package Contents

standard:

- VHU20 Heat Meter.
- Gasket x2
- Connections (Reducers to 3/4" BSP) x2
- The Temperature sensor mount and o-ring seal x 2
- User Manual and Installation instructions

optional:

- Temperature sensor connection Tee
- Hybrid Heat Meter Model

communication and interfaces:

- Wired as standard with M-Bus interface.
- 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

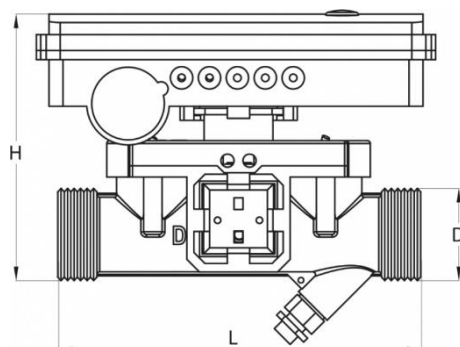
Dimensions

N (D)	20mm
Length (L) / height (H) / width (W)	130 / 94 / 83mm
Sensor M-bus cable	1.5 m
Weight	950 g

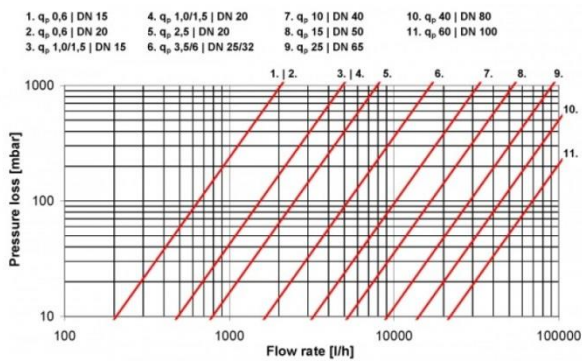
Options

VHU20 (Standard)	M-bus communication
VHU20- RF	Wireless RF
VHU20- Pulse	Pulse Output

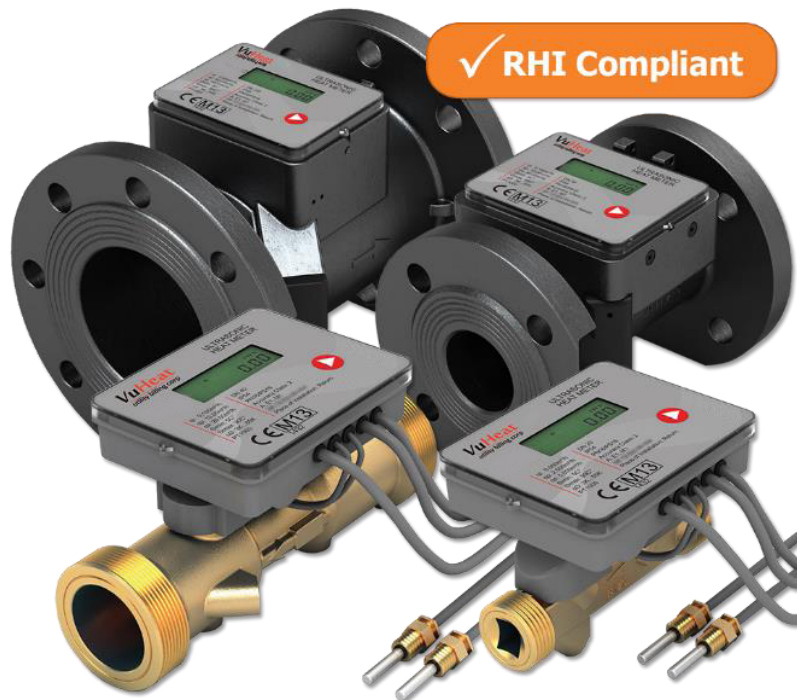
Drawing



Pressure Loss Curve



Main Operator Menu & Statistics



✓ RHI Compliant