

HVAC Meter PCE-UFM 25



Fixed Installation HVAC meter / Measurement of Flow and Volume Flow via Ultrasonic / Compatible with Various Pipe Materials and Fluids / Analog Output 4 ... 20mA / RS485 Interface

Our fixed installation HVAC meter offers the capability to measure flow rates from ± 0.1 m/s to ± 5 m/s using ultrasonic technology. This HVAC meter is suitable for small pipes with a diameter of DN25 / 1" and is compatible with various pipe materials such as steel, copper, aluminum, and plastics. Due to its compact design, it can be quickly and easily mounted on the pipe.

The HVAC meter's display provides information on flow velocity, date, and time. In another view, it also displays the volume flow rate for the day, month, and year. Additionally, the HVAC meter can output the measurement value as an analog signal (4 ... 20mA) and digitally via an RS485 interface.

With a power supply range of 9 ... 36 V DC, the fixed installation HVAC meter is highly versatile and can be used in a wide range of applications. It comes with a 2m connection cable and coupling pads for improved signal transmission.

This HVAC meter can be used in various applications, including heating systems, cooling water systems, and industrial processes where flow monitoring and control are necessary.

- ▶ Measurement Range ± 0.1 m/s ... ± 5 m/s
- ▶ Display of Flow, Volume Flow
- ▶ Pipe Size: DN25
- ▶ Suitable for Various Pipe Materials and Media
- ▶ Analog Output: 4 ... 20mA
- ▶ Interface: RS485

Specifications

Velocity m/s

Measurement	0.1 ... 5 m/s
Range	
Resolution	0.001 m/s
Accuracy	2%
Pipe Size	DN25

General Technical

Data

Display Type	OLED
Analog Output	4 ... 20mA
Data Interface	RS485
Voltage Supply	9 ... 36 V DC
Materials	PVC, Steel, Stainless Steel, Copper, PVDF (Polyvinylidenfluorid), PFA (Perfluoralkoxy-Polymere), PTFE (Polytetrafluorethylen), PU (Polyurethane), Aluminum
Measuring Medium	Water, Seawater, Oil, User-defined (manual input of sound velocity for the medium)
Menu Language	English
Protection Class	IP54
Weight	515 g
Device Weight with Accessories	652 g
Device Weight with Accessories and Packaging	892 g
Dimensions (L x W x H)	110 x 58 x 67 mm
Dimensions including Packaging (L x W x H)	210 x 153 x 104 mm
Operating Conditions	0 ... 50 °C
Operating Condition r.H.	< 95%
Storage Conditions	0 ... 50 °C
Storage Conditions r.H.	< 95%

More information

More product info



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