# HVAC Meter PCE-UFM 20



**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 DN20 / 3/4" 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: DN20
▶ Suitable for Various Pipe Materials and Media
▶ Analog Output: 4 ... 20mA
▶ Interface: RS485

# Specifications

# More information

## Velocity m/s

| | |
|---|---|
| Measurement Range | 0.1 ... 5 m/s |
| Resolution | 0.001 m/s |
| Accuracy | 2% |
| Pipe Size | DN20 |

## 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% |

Subject to change