ULTRASONIC FLOW METER

PCE-TDS 75



- **Flow meter for fixed installation**
- **Different outputs for process connection**
- **For fixed installation**
- **For pipe diameters 25 ... 1200 mm / 1 in ... 47.2 in**

The flow measuring device is a measuring device for fixed installation. The flow rate of liquids in pipes can be determined with this flow meter. The sensors from the flow meter can be mounted directly on the pipes to be measured without having to cut them open. This enables the flow meter to be installed even during operation.

Another special feature of the flow meter are the different outputs. It is possible to get the flow rate converted by the flow meter into an analog 4... 20-mA signal. Any other measurement value can be transmitted via the pulse output (OCT) from the flow meter. It is also possible to receive the measured values directly via the Modbus outputs RS232 and RS485. This allows the flow meter to be integrated directly into the process control.

Specification

Speed	
Measuring range	0,03 ... 5 m/s
Resolution	0.01 m/s
Accuracy	±1 % of Rd

General technical data	
Repeat accuracy	0,2 %
Outputs	Relay output: 1 A at 125V AC, 2 A at 30V DC max. Frequency 1 Hz Analogue output: 0/4 ... 20 mA (maximum load 750 Ω) Pulse output: 0 ... 9999 Hz OCT (frequency limits are adjustable)
Cable length	9 m
Display type	LCD with backlight
Display resolution	256 x 128 pixels
Interface	RS232, RS485
Current consumption meter	1 A
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Dimensions	Pipe diameter: 25 ... 1200 mm
Menu language	English, English (GB)
Protection class (device)	IP65, IP68
Power supply	10 ... 36V DC
Operating conditions	-40 ... 60 °C , 0 ... 99 % RH
Storage conditions	-40 ... 60 °C , 0 ... 99 % RH
Dimensions (L x W x H)	16 x 23 x 28 mm
Weight	3200 g

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