Ultrasonic Flow Meter PCE-TDS 75

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Flowmeter for fixed installation / Various process connection options / Measurement accuracy of 1% / Up to a pipe diameter of 1200 mm (47.2 in) / Flow rate determination

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.

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

Specifications

Measuring range	± 0.03 ... ± 5 m / s (± 0.09 ... ± 16 ft / s)
Measurement accuracy	± 1% of the measured value
Repeatability	0.2%
Pipe diameter	25 ... 1200 mm (1 ... 48 in)
Analog output	0/4 ... 20 mA (maximum load 750 Ω)
Pulse output	0 ... 9999 Hz OCT
	(Frequency limits are adjustable)
Relay output	1 A at 125V AC, 2 A at 30V DC
	Maximum frequency 1 Hz
Communication interface	RS232 & RS485
Power supply	10 ... 36V DC
Power consumption	1 A
Display	LCD, 256 x 128 pixels, with backlight
Ambient conditions base	-40 ... 60°C / -40 ... 140°F
	0 ... 99% RH non-condensing
Ambient conditions sensor	-40 ... 80°C / -40 ... 176° F
	0 ... 99% RH non-condensing
Housing material base	PC / ABS
Protection class base	IP 65
Protection class sensor	IP 68
Cable length	9 m / 30 ft
Dimensions	16 x 23 x 28 cm / 6.3 x 9.1 x 11"
Weight	3.2 kg / 7.1 lbs

More information

More product info

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