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Ultrasonic flowmeter PCE-TDS 200 SM-ICA

0203

Servicies

After sale servicies

Ordinary and extraordinary maintenance, installation, staff training, spare parts, calibration and calibration for measuring instruments.

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Product description

Our 32 GB Ultrasonic Flow Meter provides accurate and reliable measurements. With a wide measurement range of ±32 m/s and a reproducibility of ±0.5%, it's a highly precise tool for measuring the flow of any substance. It offers various probe options and a 2.8" LCD display for easy data reading.

Its 32 GB internal memory can store up to 10 million data points, allowing you to set start and stop times and recording frequencies. Using the USB-C interface, data can be transferred to a computer for further analysis with optional software, offering graphical or tabular data visualization, CSV export, and PDF report generation.

The flow meter includes an ISO calibration certificate for measurement accuracy and allows customization of alarm values for continuous monitoring. The installation guide menu ensures proper sensor placement for data quality.

Whether for small (DN 15 ... 100 / 20 ... 108 mm) or medium-sized pipes (DN 50 ... 700 / 57 ... 720 mm), we offer sensor pairs (PCE-TDS 200 S and PCE-TDS 200 M) with a temperature range of -30 to 160 ºC, easily mountable on ferrous metals or with Velcro straps.

Our Ultrasonic Flow Meter is a comprehensive tool for precise flow measurement and monitoring, simplifying data analysis and management.

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General Features

Dimensions	165mm x 85mm x 32mm	**Weight**	255g
Resolution	0,001 m/s	**Battery life**	About 10 hours
Range	±32 m/s	**Range**	Temperature: -30 ... 160 °C
Power	LiPo battery; 3.7V; 2500mAh	**Detector**	Pair of PCE-TDS 200 S SENSOR
Detector	Pair of PCE-TDS 200 M SENSOR	**Measurements Units**	Dimensions mm / in
Measurements Units	Flow velocity m/s / ft/s	**Measurements Units**	Volume flow m / l / gal / igl / mgl / cf / bal / ib / ob
Measurements Units	Timeline seconds / minutes / hours / days	**Measurements Units**	Volume m / l / gal / igl / mgl / cf / bal / ib / ob
Memory	32GB / 10 million values	**Precision**	DN greater than/equal to 50 mm equal to ±1.5% of the measurement value for speed greater than 0.3 m/s
Precision	DN less than 50 mm equal to ±3.5% of the measurement value for speed greater than 0.3 m/s	**Precision**	DN less than 50 mm equal to ±3.5% of the measurement value for speed greater than 0.3 m/s