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TECHNOLOGY GROUP

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Artisan Technology Group
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PORTABLE ULTRASONIC FLOW METER



FEATURES

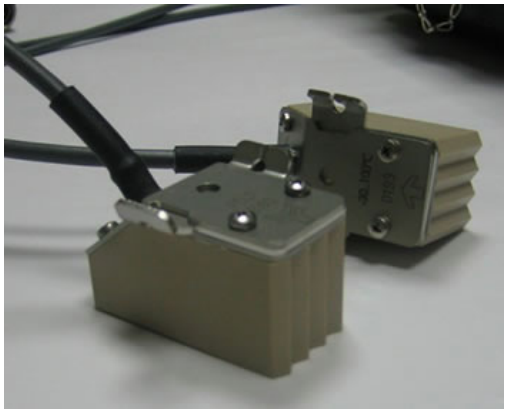
- Fully Weatherproof IP68 Rated Flow Meter/Computer , connectors and flow sensors. 60,000 point built in data logger, analog output, back lit LCD displaying flow and total, RS 232 and 5 M cable as standard.
- Extremely easy to use and install clamp on sensors with no process interruption. Advanced signal transmission. Totally non-invasive flow measurement of liquids, no pipeline disturbance and no pressure loss.
- Suitable for all commonly used pipe materials and sonically conductive liquids
- Measurement in imperial or metric units
- With improved Signal transmission, the standard sensors cover a wider range from 2” to 98”
- The standard EESIFLO Portalok 7s is sold and supplied as a complete kit ready for measurement on all types of metal and plastic pipes and all sonically conductive liquids.

ADVANTAGES

- Weatherproof flow meter and sensors
- Dual Mode Measurement
- User friendly
- No cutting of pipes
- No process stops
- Easy to Transport & Protect
- Data Logging
- Current and Binary Outputs Extended Battery Management

Ordering Information/Kit Model Number

EESIFLO® Portalok 7S Weatherproof Dual Processor Portable Ultrasonic Flow Meter for flow in liquid pipe measurements between 2 “ to 98” and from -30 °C to 100°C (22°F to 212 °F) with built in 4-20 mA output, 60,000 point data logger, RS 232 port, cable and Windows software. 110/220 VAC Wall mount battery charger, 5M sensor cable, pipe clamping fixtures, ultrasonic couplant bottle, measuring tape, calculator and instruction manual



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SPECIFICATIONS

Measurement Technology :	Ultrasonic Time Difference Correlation principle with Doppler-Assist
Flow Velocity :	0.01…25 m/s (0.003 to 82 ft/s)
Resolution :	0.025 cm/s (0.0008 ft/s)
Repeatability :	0.25% of reading +/- 0.02 m/s (0.06 ft/s)
Accuracy :	+/- 1% to 3% of reading .. +/- 0.5% with process calibration
Measureable Fluids :	All sonically conductive liquids with less than 10% entrained gas and solids
Recommended Pipe Measurement Range :	Standard Sensors M Type DN 50 to 2500mm (2 inches to 98 inches) Optional Pipe Ranges – On request

ELECTRONICS ENCLOSURE

Weight :	3 kg/6.6 lbs
Degree of Protection :	Designed to IP68
Material :	High Density Polyethylene Waterproof and Crushproof
Measuring Channels :	1
Battery Operation :	24 Hour usage on full charge
Display :	2 x 16 character matrix . backlit
Electronics operating temp :	-10°C to 60°C (14°F to 140°F)
Sensor operating temp :	-30°C to 120°C and up to 150°C for short periods
Power Consumption :	less than 10W
Signal Damping :	0-100s (adjustable)
Measuring cycle :	100 to 1000 Hz
Response time :	1 second

MEASURING FUNCTIONS

Quantities of Measurement :	Volumtric flow rate, mass and sonic velocity
Totalizers :	Volume and Mass
Data Logging :	Approximately 60,000 values
Operating Language :	English

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We buy equipment

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