



PRIMEFLO-T

Hand-held transit-time ultrasonic flowmeter using dual DSP technology

MEASUREMENT

Measurement principle	Ultrasonic transit time difference
Flow velocity range	0.01 ...25m/s
Resolution	0.25 mm/s
Repeatability	0.15% of measured value, ± 0.015 m/s
Accuracy; Volume Flow	$\pm 1...3\%$ of measured value depending on application
Flow velocity (mean)	$\pm 0.5\%$ of measured value
Turn down ratio	1/100 (equivalent to 0.25...25 m/s)
Measurement rate	100 Hz (standard)
Response time	1 second

PROCESSOR

Protection	IP65
Operating temperature	-10 to +60 °C
Display	LCD, 128 x 64 dots, backlit
Power supply	Rechargeable batteries 4 x NiMH AA 2850mAh Power adaptor; 100 – 240V AC input, 9V DC output
Operating time	Up to 24 hours with full battery charge
Dimensions	H 228 x W 72/117 x D 47 mm
Weight	Approx. 650 grams

SENSOR

Pipe diameter range	50 – 2500mm
Sensor head dimensions	60 x 30 x 34mm
Sensor head and cable conduit material	Stainless steel
Temperature range	-30 to +130 °C
Protection	IP66
Cable length	4m

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