



(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 ±1...3% of measured value depending on application

Flow velocity (mean) ±0.5% of measured value
Turn down ratio ±1/100 (equivalent to 0.25...25 m/s)

Measurement rate100 Hz (standard)Response time1 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 range50 – 2500mmSensor head dimensions60 x 30 x 34mmSensor head and cable conduit materialStainless steelTemperature range-30 to +130 °CProtectionIP66Cable length4m

