



News

Rev. 2010/09/20

SL1168P Portable Handheld Ultrasonic Flow meter

The model SL1168P portable handheld ultrasonic flowmeter (here-in after referred to as SL1168P) is a true state-of-the-art transit-time flowmeter designed using the latest digital technology and intelligent self-correcting sonic transmission technology.

SL1168P features high reliability and low maintenance. Compared with other flowmeters and other ultrasonic flowmeters, the SL1168P is characterized by high accuracy, high reliability, superior performance, rapid response to flow changes, and low cost.

Applications by Industry

w Water supply	w Petrochemical
w Waste water treatment	w Chemical
w Seawater desalinization	w Crude oil
w Pure/Ultra-pure water	w Lubricant oil
w Industrial process water	w Beverages
w Cooling/Heating water	w Many others...



Specifications

Transmitter (standard):

Velocity range: $0 \sim \pm 40\text{ft/s}$ ($0 \sim \pm 12\text{m/s}$)

Accuracy: $\pm 1\%$ of reading

Repeatability: 0.2%

Power supply: 11.1V rechargeable Lithium Battery

Power for 16 hours

Output: 0/4~20mA, maximum 750Ω

Transducers (magnetic clamp-on sensor rack)

Measurement Pipe range: 25mm ~ 1200mm

Protection rating: IP68

Temperature range: $-10^{\circ}\text{C} \sim 80^{\circ}\text{C}$

Transducer cable standard length: 16ft (5m)



SL1168P Portable Handheld Ultrasonic Flowmeter

Performance

Velocity range	0~±12m/s
Accuracy	±1%
Repeatability	0.2%
Linearity	±1%
Pipe Size	25mm~1200mm

Functional

Output	Analogue output: 4-20mA, Max750Ohm
SD Card	Storage:2GB Max: 512 files Interval:5~60 seconds
Power Supply	11.1V rechargeable Lithium Battery Power (continuous operation of main battery 16 hours)
Keypad	Tactile keys
Display	64x128 alphanumeric, backlit LCD
Temperature	Transmitter:-10°C ~ 60°C Measured medium: -10°C~80°C (Standard) NEMA13, IP54
Humidity	0~99%RH, non-condensing

Physical

Transducers	Encapsulated design, IP68; standard cable length: 16ft (5m)
Weight	Transmitter: 1kg