

Introduction: Model SL1188

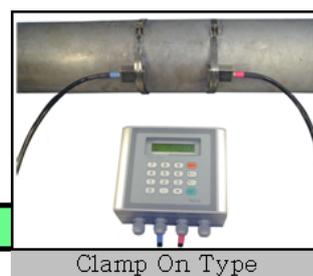
The Model SL1188C correlation ultrasonic flowmeter is an excellent alternative to magnetic, vortex, differential pressure, and other types for flowmeters used in industry and the water/wastewater treatment and distribution fields. Although the SL1188C was designed principally for clean liquid applications, the instrument is tolerant of liquids with small amounts of gas/air bubbles or suspended solids found in most industrial environments.

We have used the world's most advanced IC and microprocessor technology and timing circuit (0.01nS), which gives the SL1188 the advantage of high precision, high reliability and low cost.

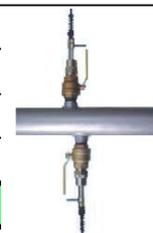


As experienced professionals in ultrasonic flow measurement since the mid-1970's, we provide excellent support and application knowledge to assist the client in achieving the best success of applying our flowmeters to their applications, as well as the ability to resolve any potential problems quickly. Customer support is a vital part of our approach to serving the flow metering market.

SL 1188 Specifications (Clamp – on and Insertion type)



Performance Specification	
Flow Range	0~± 40ft/sec (0~± 12 m/sec)
Accuracy	± 0.5 % of measured value (for ± 1.5~40ft/sec)
Repeatability	0.3 %
Linearity	± 1.0 %
Pipe Size	1 ~200 inch (25mm ~ 5000mm)
Function Specification	
Outputs	Analogue output : 0/4~20 mA (Max load 750Ω)
	Pulse output : 0~9999 Hz, OCT (min & Max Frequency is adjustable)
	Relay output : SPST, Max 1 Hz, (1A@125VAC or 2A@30VDC)
Power Supply	90 ~245 VAC, 48~63 Hz. or 10~36 VDC
Keypad	16 (4 x4) keys with tactile action
Display	40 characters, 2 line (20x2), alphanumeric Backlight LCD.
Temperature	Transmitter : - 40 ~ 60 °C
	Transducer : -40 ~ 80 °C (Standard), -40 ~ 150 °C(High Temperature)
Humidity	Up to 99% RH, non-condensing
Physical Specification	
Transmitter	NEMA 4X (IP65), Die-cast aluminum
Transducer	Encapsulated Design
	Standard/Maximum cable length : 30ft/1000ft (9m/305m)
Weight	Transmitter : Approximately 4.7 lb (2.15Kg)
	Transducer : Approximately 2.0 lb (0.9Kg/Standard)



SL 1188 Specifications (Portable / Clamp - on type)



Performance Specification	
Flow Range	0~± 40ft/sec (0~± 12 m/sec)
Accuracy	± 0.5 % of measured value (for ± 1.5~40ft/sec)
Repeatability	0.3 %
Linearity	± 1.0 %
Pipe Size	1 ~200 inch (25mm ~ 5000mm)
Function Specification	
Outputs	Analogue output : 0/4~20 mA (Max load 750Ω)
Communication	RS232 Serial Interface
Power Supply	12VDC(10~36VDC) Rechargeable Battery Power(Battery life : 8 hours)
	Rechargeable Spare Battery (12.5VDC output , 4500mAh, Battery life : 12hours)
Keypad	24 (6x4) keys at Palm PDA model "Tungsten"
Display	PDA Display with backlight LCD.
Temperature	Transmitter : - 40 ~ 60 °C
	Transducer : -40 ~ 80 °C (Standard), -40 ~ 150 °C(High Temperature)
Humidity	Up to 99% RH, non-condensing
Physical Specification	
Transmitter	Depend on PDA Specification
Transducer	Encapsulated Design with magnet and magnet clamp for installation
	Standard/Maximum cable length : 15ft/1000ft (5m/305m)
Weight	Transmitter with Transducer : Approximately 2.2Kg)
Caring Case	Aluminum case

SL 1188P Components List

Standard Components :

- | | |
|---------------------------------|-----------------------------------|
| 1. Main Unit | 2. PDA (palm) |
| 3. Transducer 1 Pair (Magnetic) | 4. Transducer Cable (5 meter) |
| 5. Magnetic Clamp 1 Pair | 6. Extra Battery |
| 7. Current Loop output Cable | 8. Leather Bag |
| 9. Aluminum Case | 10. Double-duty Screw Driver |
| 11. Operating Manual | 12. Certified Factory Calibration |



Optional Components :

- Magnetic Mounting Rack(1-pair)
- High Temperature Transducers.
- Extend Cable by 15m/30m/45m/60m/90m etc.

