

SFM 6.1 Slurry Flow Meter	Model	SFM 6.1		
Approximate shipping weight: 21 lbs / 10 kg				
STANDARD FEATURES:				
SE4-A sensor - Clamp-on, single head ultrasonic				
for 0.5" to 180" (12.7 mm to 4.5 m) ID pipes				
Sensor cable - 25 ft / 7.6 m shielded coaxial pair				
■ Flow rate range: ± 0.1 to 40 ft/sec (± 0.03 to 12.2 m/sec) in flui	ds containing			
bubbles or solids with a minimum size of 100 microns and a	minimum			
concentration of 75 ppm to act as acoustic reflectors				
■ Accuracy: ± 2% of reading or ± 0.1 ft/sec (whichever is greater				
■ Installation: PC4 Sensor mounting clamp for 0.6" - 32" (15 - 80	0 mm) OD pipes			
Includes silicone coupling compound				
Enclosure: NEMA4 stainless steel with window Diaplay: White headlit metrix				
Display: White, backlit matrix Totalizar: 14 digit				
Totalizer: 14 digitCalibration: built-in 5-key programmer				
Output: isolated 4-20mA (1000 ohm)				
2 control relays: 5 amp, SPDT - programmable for flow				
proportional pulse output, and/or flow alarm				
 Datalogger: 128 Megabyte storage capacity (26 million points) 				
Power input: 100-240VAC 50/60Hz, 10VA maximum				
■ CE, UL/CSA/EN 61010-1				
POWER INPUT				
Standard – 100-240VAC 50/60Hz 9-32VDC, 10W Maximum		A B		
9-32VDC, 10W Maximum	<u> </u>	Ь		
ENCLOSURE & ELECTRONICS PROTECTION				
Standard – NEMA4 stainless steel with window		1	_	
ENCLOSURE TEMPERATURE RATING				
ENCLOSURE TEMPERATURE RATING Standard – (-5° to 140°F / -20° to 60°C)		Α		
Heater and Thermostat, 115VAC, 15 VA additional to Power Input (25 \	/A total)	В —		
Heater and Thermostat, 230VAC, 15 VA additional to Power Input (25 V		С		
INTRINSIC SAFETY	D.C.D.	14		
Standard – SE4 Transducer, Non-Incendive for Class I Div 2, Groups A QTY 2 ISB Intrinsic Safety Barriers for transducer installation in Class I,		1 2		
Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	DIV 1,	2		
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TRANSDUCERS	ın ·			
Standard – SE4-A Clamp-on Sensor (for 0.5" / 12.5 mm to 180" (4.5 m)	ID pipes	Α		
TRANSDUCER MOUNTING HARDWARE				
Standard – PC4; Includes stainless bracket, mounting clamps, and silic	one	1		_
coupling compound				
TRANSDUCER CABLE LENGTH				
Standard – 25 ft. (7.6 m) shielded coaxial pair		Α		
50 ft / 15 m continuous shielded coaxial pair		В		
100 ft / 30 m continuous shielded coaxial pair		С		
SERIAL COMMUNICATIONS				
SERIAL COMMUNICATIONS Standard – None		1		
Modbus® RTU via RS-485 or HART (field selectable)		2		
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CONTROL RELAYS	T			
Standard – 2 relays, rated 5 amp SPDT, programmable		A		
4 Extra Relays (6 total), rated 5 amp SPDT, programmable		В		



OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION
	DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair)
	JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate
	PC4	Extra Sensor Mounting Kit with Couplant and SS clamps for pipes up to 32" (80 cm)
	PC4S	PC4S Doppler Sensor Mounting Kit with Expansion Springs
	CT	Coupling Tape – lower maintenance for permanent installations
	CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube
	CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) - Super Lube® Dielectric Grease 3.0 oz tube
	SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure

REPLACEMENT SENSORS

* Provide Instrument Serial number when ordering replacements

	SE4-A	Standard clamp-on Sensor with 25 ft / 7.6 m shielded coaxial pair	
I	SE4-A-25DXC	Clamp-on Sensor with 50 ft / 15 m length cable	
ĺ	SE4-A-75DXC	Clamp-on Sensor with 100 ft / 30 m length cable	