

**SFM 6.1 Slurry Flow Meter**

Approximate shipping weight: 21 lbs / 10 kg

**Model**

Please configure model on next page

**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:  $\pm 0.1$  to 40 ft/sec ( $\pm 0.03$  to 12.2 m/sec) in fluids containing  
bubbles or solids with a minimum size of 100 microns and a minimum  
concentration of 75 ppm to act as acoustic reflectors  
Accuracy:  $\pm 2\%$  of reading or  $\pm 0.1$  ft/sec (whichever is greater)  
Installation: PC4 Sensor mounting clamp for 0.6" - 32" (15 - 800 mm) OD pipes  
Includes silicone coupling compound  
Enclosure: NEMA4 stainless steel with window  
Display: White, backlit matrix  
Totalizer: 14 digit  
Calibration: 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



**SFM 6.1 Doppler Flow Meter**

Model

**SFM 6.1**
**POWER INPUT**

Standard – 100-240VAC 50/60Hz, 10VA Maximum		A
9-32VDC, 10W Maximum		B

**ENCLOSURE & ELECTRONICS PROTECTION**

Standard – NEMA4 stainless steel with window		1
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**ENCLOSURE TEMPERATURE RATING**

Standard (-5° to 140°F / -20° to 60°C)		A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)		B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)		C

**INTRINSIC SAFETY**

Standard – SE4-A, Non-Incendive for Class I Div 2, Groups A,B,C,D		1
QTY 2 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4		2

**TRANSDUCERS (each with 25ft / 7.6m cable)**

Standard – SE4-A Clamp-on Sensor (for 0.5"/12.5mm to 180" (4.5m) ID pipes)		A1
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**TRANSDUCER MOUNTING HARDWARE**

Standard – PC4; Includes stainless bracket, mounting clamps, and coupling compound		1
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**TRANSDUCER CABLE LENGTH**

Standard – 25 ft. 7.6m		A
50 ft / 15 m		B
100 ft / 30 m		C

**SERIAL COMMUNICATIONS**

Standard – None		1
Modbus® RTU via RS-485		2

**CONTROL RELAYS**

2 – Standard		A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable		B

### OPTIONS AND ACCESSORIES

Code	Description	
DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair, price per foot)	
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 (price per foot)	
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 - Please provide instrument serial number when ordering replacements*

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