DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
Original factory packaging
www.dorgean.com

pulsar MEASUREMENT

Order Form   *SFM 6.1*

SFM 6.1 Slurry Flow Meter   **Model** | Please configure model on next page |

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 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: ± 2% of reading or ± 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 NEMA4X (IP66) polycarbonate	1

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

TRANSDUCER MOUNTING HARDWARE

Standard – PC4; Includes stainless bracket, mounting clamps, and coupling compound	1

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

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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	