Greyline

SFM 6.1

Technical Specifications:

The Greyline SFM 6.1 Slurry Flow Meter works best in applications that would prove problematic for regular contacting flow meters. Since the sensor is mounted on the outside of a pipe, rather than directly contacting the material, it is unaffected by wear and tear of abrasive slurries. A non-contacting sensor means there is no interruption to flow and no pressure drop.

GENERAL SPECIFICATIONS

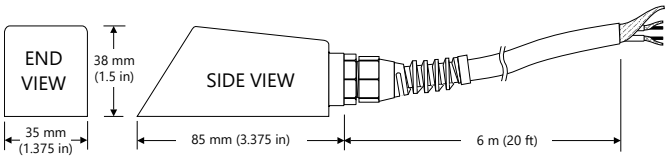
Flow Rate Range:	±0.038 m/s to 12.2 m/s (±0.125 ft/s to 40 ft/s) in most applications
Pipe Size:	Any pipe ID from 12.7 mm to 4.6 m (0.5 in to 15 ft)
Accuracy:	±2% of reading or 30.5 mm/s (1.2 in/s) whichever is greater. Requires solids or bubbles minimum size of 100 microns, minimum concentration 75 ppm. Repeatability: ±0.1%, Linearity ±0.5%
Display:	100-240 V AC 50/60 Hz (see Options), 2.4 to 5.6 W depending on options
Configuration:	Built-in 5-button keypad with English, French, or Spanish language selection
Power Input:	100-240 V AC 50/60Hz 10 VA maximum. Optional: 9-32 V DC, 10 Watts maximum
Output:	Isolated 4-20mA (1 kΩ load max.) or 0-5 V DC (Field Selectable)
Control Relays:	Qty 2, rated 5 A SPDT, programmable flow alarm and/or proportional pulse
Data Logger:	Built-in 26 million point logger with USB output and Windows software
Enclosure:	NEMA4 stainless steel with window
Electronics Operating Temperature:	-23 °C to 60 °C (-10 °F to 140 °F)
Shipping Weight:	6.3 kg (14 lb)
Approvals:	CSA, UL/EN 61010-1

SENSOR SPECIFICATIONS

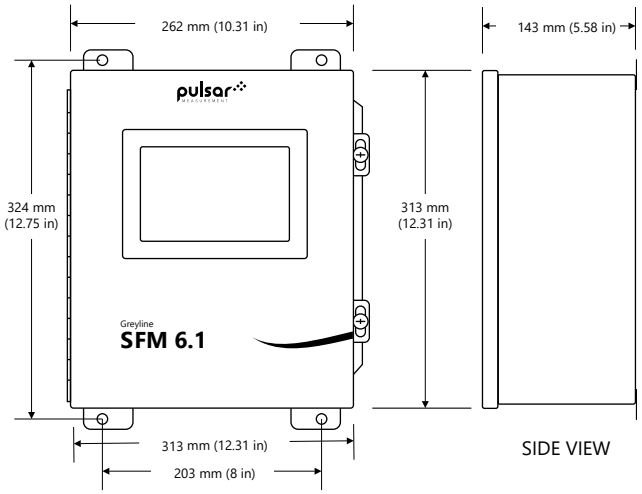
Model:	• SE4 single-head ultrasonic with 7.6 m (25 ft) shielded cable and stainless steel mounting kit for pipes 12.7 mm (0.5 in) ID or larger. Designed to withstand accidental submersion to 10 psi. • Certified non-incendive for Class I, Div 2, Groups A, B, C, D hazardous locations
Sensor Operating Temperature:	-40 °C to 150 °C (-40 °F to 300 °F)
Exposed Materials:	316SS

POPULAR OPTIONS

Sensors:	Intrinsic Safety Barriers for sensor mounting in Class I, Div 1, Groups C, D; Class II, Groups E, F, G; Class III; Encl. Type 4 hazardous locations
Industrial Automation Protocols:	Modbus RTU via RS485 or HART (field selectable)
Sensor Cable:	15.2 m or 30.5 m (50 ft or 100 ft) continuous shielded coaxial pair, or splice up to 152.4 m (500 ft) with junction box. Self tunes to extended cable
Enclosure Heater:	For outdoor installation, thermostatically controlled to -40 °C (-40 °F)
Pipe Materials:	Steel, stainless steel, cast iron, PVC, fiberglass, any contiguous pipe material that conducts sound, including lined pipes with a liner bonded to the pipe wall



SE4 Doppler Sensor



Greyline SFM 6.1 Enclosure

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of global partners all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia, allows us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

By taking a step forward in echo processing technology, Pulsar Measurement addresses applications previously thought to be beyond the scope of ultrasonic measurement. This technology improves signal processing at the transducer head which has made it possible to increase resistance to electrical noise, enabling the transducer to 'zone in' on the true echo.

For more information, please visit our website:

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Rev 7.0