



Greyline

PDFM 5.1

Technical Specifications:

Use a Greyline PDFM 5.1 Portable Doppler Flow Meter to monitor and balance flow, or to troubleshoot flow problems in full pipes. It is ideal to evaluate performance of in-line flow meters and can be installed, calibrated and started-up in minutes.



GENERAL SPECIFICATIONS

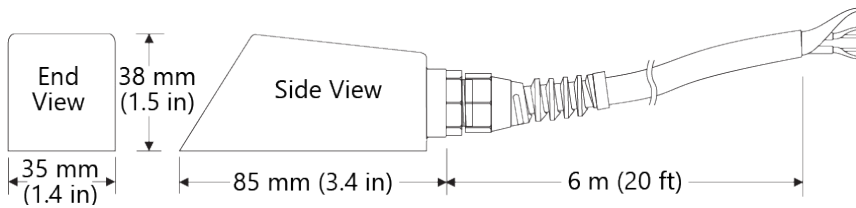
Operating Parameters:	Liquids containing suspended solids or bubbles minimum size of 100 microns, minimum concentration 75 ppm
Flow Rate Range:	± 0.46 m/s to 12.2 m/s (± 0.125 ft/s to 40 ft/s) in most applications
Pipe Size:	Ultrasonic sensor mounts on any pipe from 12.7 mm to 4.6 m ID (0.5 in to 15 ft)
Display:	White, backlit matrix - displays flow rate, totalizer, operating mode, and calibration menu
Power Input:	<ul style="list-style-type: none">Built-in NiMH battery for up to 18 hours continuous operationExternal charger with 100-240 V AC 50/60 Hz input
Analog Output:	<ul style="list-style-type: none">4-20mA (500 Ω) when AC poweredUSB for Data Log transfer by direct PC connection
Data Logger:	Programmable 300,000 data point capacity, time and date stamped or formatted flow reports including total, average, minimum, maximum, and times of occurrence
PC Software:	Greyline Logger for Windows Vista or higher. Retrieves, displays, and saves data log files
Operating Temp. (Electronics):	-23 °C to +60 °C (-10 °F to +140 °F)
Electronics Enclosure:	Portable, ABS enclosure
Carry Case:	Rated IP67 with protective molded foam insert
Accuracy:	$\pm 2\%$ of reading or 30 mm/s (1.2 in/s). Requires solids or bubbles minimum size of 100 microns, minimum concentration 75 ppm. Repeatability: $\pm 0.1\%$, Linearity $\pm 0.5\%$
Calibration:	Built-in 5-key programming with a user-friendly calibration menu. Password protected
Language Selection:	English, French, Spanish
Sensitivity:	Adjustable cut-off, Damping: adjustable
Approvals:	CE, CSA/UL/EN 61010-1

TRANSDUCER SPECIFICATIONS

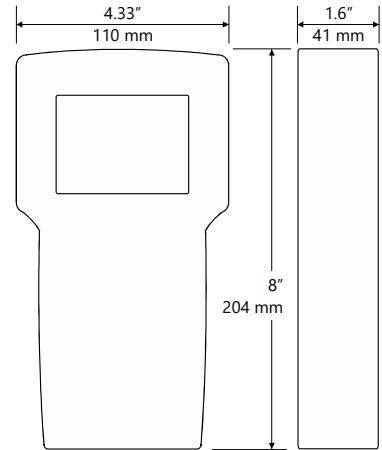
Standard Model PSE4:	Clamp-on, single-head ultrasonic for pipes from 12.7 mm to 4.6 m ID (0.5 in to 15 ft) with 3.4 m (12 ft) shielded dual-coaxial cable
Sensor Mounting Kit:	Stainless steel pipe clamp and 150 g (5.3 oz) silicone coupling compound
Pipe Materials:	Steel, stainless steel, cast iron, ductile iron, concrete-lined ductile iron, PVC, HDPE, or any contiguous pipe material that conducts sound, including lined pipes with a liner bonded to the pipe wall. Avoid pipes with loose insertion liners and pipe walls that contain air.
Operating Temperature:	-40 °C to +150 °C (-40 °F to +300 °F)

POPULAR OPTIONS

Sensor Cable:	15.2 m (50 ft) sensor cable extension, shielded, with connectors
Sensor Mounting:	Extra silicone coupling compound. Additional stainless steel pipe clamps



SE4 Ultrasonic Doppler Sensor



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:

www.pulsarmeasurement.com



INFO@PULSARMEASUREMENT.COM

Pulsar Measurement is a trading name of Pulsar Process Measurement, Ltd.

*Copyright © 2021 Pulsar Measurement
Registered Address: 1 Chamberlain Square CS, Birmingham B3 3AX
Registered No.: 3345604 England & Wales*

United States
+1 888-473-9546

Asia
+60 102 591 332

Canada
+1 855-300-9151

Oceania
+61 428 692 274

United Kingdom
+44 (0) 1684 891371

pulsarmeasurement.com