



## PDFM3L PORTABLE DOPPLER FLOWMETER

- Non-invasive clamp-on sensor
- Pipe sizes DN25 to DN3000
- Hand held flow meter
- Volumetric flow units of measurement
- Flow total and rate display
- 20 Hour battery life
- Data logger 260 000 logs
- Metric and US units
- Quick to install & Easy to use
- Low cost

### Example Applications

- Verification of other flowmeters
- Flow investigations & data logging
- Backup flow meter in emergencies

### Example Liquids

- Mining & Dredging Slurries
- Paper & Food Pulp
- Water & Sewerage Sludges



The Safsonic PDFM3L is a handheld non-invasive ultrasonic flow meter for measuring the flow rate and total volume of liquids flowing through process and effluent pipelines. It is suitable for a wide range of liquids, including aerated water, liquids containing suspended solids, slurries, pulps and sludges. The Flowmetrix PDFM3L requires fluids with a minimum concentration of 100ppm of solids or bubbles having minimum size of 100 microns. The flow meter utilises a single ultrasonic clamp-on sensor allowing larger diameter pipes. The non-intrusive Doppler principle is used to measure the mean velocity and is particularly useful as a temporary flow indicator or as a working tool to establish and verify flow conditions in field or plant installations.

## Features & Specifications

<b>Velocity Range</b>	0.25 to 10m/s (0.82 to 30.5ft/s)
<b>Liquids</b>	Containing 0.01% solids >100micron
<b>Pipes</b>	25-3000mm (1"-120") Most pipe materials
<b>Accuracy</b>	±2% of Rate for velocities >0.5m/s (1.6ft/s)
<b>Repeatability</b>	±2%
<b>Indication</b>	Rate and Total (password resettable) 2 - Line 16 Character backlit LCD
<b>Units</b>	Rate units: m/s, l/s, l/m, l/hr, m <sup>3</sup> /s, m <sup>3</sup> /m, m <sup>3</sup> /hr, ft/s, ft <sup>3</sup> /s, ft <sup>3</sup> /m, ft <sup>3</sup> /hr, USgpm, USgph, USmgd Total units: l, m <sup>3</sup> , Ml, ft <sup>3</sup> , 10 <sup>3</sup> ft <sup>3</sup> , 10 <sup>6</sup> ft <sup>3</sup> , USG, 10 <sup>3</sup> USG, 10 <sup>6</sup> USG
<b>Power Supply</b>	4 x AA NICD 1000mA Included
<b>Battery Charger</b>	100-240Vac 50/60Hz Included Plugs available UK, US, EU, AUS
<b>Response Time</b>	3 Selectable levels of damping

<b>Carry case</b>	Holds meter and all accessories included.
<b>Programming</b>	4 Key external keypad
<b>Transducer</b>	IP68 (NEMA 6P) Aluminium epoxy-faced 21 x 80 x 28mm HxWxD (0.8" x 3" x 1.1")
<b>Temperature limits</b>	Sensor -20 to 90°C (-4 to 194°F) Electronics -10 to 50°C (14 to 122°F)
<b>Enclosure</b>	Black Moulded ABS IP 40 (NEMA1) 100 x 196 x 40mm HxWxD (4" x 8" x 1.6")
<b>Cable Length</b>	3m (9ft)
<b>Programming</b>	4 Key external keypad
<b>Shipping</b>	36 x 20 x 13cm (15" x 10" x 5.2"), 1.4kg (4lbs)
<b>Model No.</b>	PDFM3L
<b>Standards</b>	CE Certified
<b>Calibration</b>	Certificate with each flow meter

For pricing or any further information, please contact Omni Instruments Ltd.