pulsar MEASUREMENT

FLOW PULSE HANDHELD CONTROLLER

Technical Specifications:

Flow Pulse Handheld Controller is an indispensable tool for portable flow monitoring, offering a toolset that allows programming, monitoring, and data acquisition. The unit is available to connect to pre-installed Flow Pulse sensors or as a self-contained kit, with instant feedback via its clear color screen. For true portability, the Handheld Controller will power a Flow Pulse directly, giving instant feedback on flow rate for a dynamic assessment of system or pump performance.

PHYSICAL

Controller Body Dimensions:	210 mm x 125 mm x 50 mm (8.3 in x 4.9 in x 2 in)
Weight:	Nominal 0.6 kg (1.3 lb)
Enclosure Material/ Description:	Polycarbonate UL94 V2 rated, with weather-proof connectors
Screen:	3.2 in TFT LCD
Supplied Cable Length:	2 m (9.8 ft) minimum

ENVIRONMENTAL

IP Rating:	IP65 (Enclosure and Connectors Protection)
Max. & Min. Temperature (Electronics):	-20 °C to +60 °C (-4 °F to +140 °F)
Max. & Min. Temperature (Battery Charging):	-20 °C to +40 °C (-4 °F to +104 °F)
CE Approval:	Listed in the Certificate of Conformity within the manual

PERFORMANCE

Accuracy:	±0.25% of the measured range or 6 mm (0.2 in), whichever is greater. ±2 mm (0.01 in) for dBR16 mmWAVE RADAR.
Resolution:	±0.1% of the measured range or 2 mm (0.08 in), whichever is greater
Max Range:	Dependent on application and transducer, maximum 40 m (131.2 ft) dB40
Min Range:	Dependent on application and transducer, minimum zero dBMACH 3
Rate Response:	Fully Adjustable

DATA LOGGING

Storage Media:	Internal flash memory
Storage Capacity:	• 3.8 GB, 3.2 million entry without trace • 800,000 entries with trace
Storage Format:	PC files
Storage Access:	File transfer to PC via USB — no driver required

OUTPUTS

Analog Output:	Not available
Digital Output:	Half-Duplex RS485 to sensor, USB connection to PC for file transfer

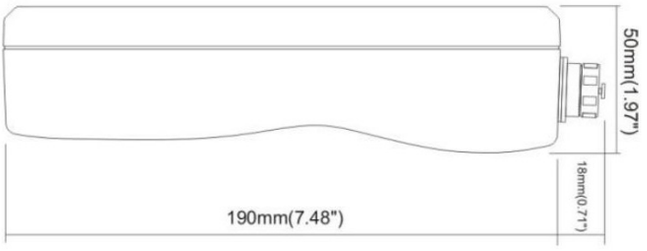
PROGRAMMING

Programmed Parameter Integrity:	Via non-volatile RAM

SUPPLY

Rechargeable Battery:	11.1 V DC Li-ion cells
Battery Duration:	4 to 5 hours
Charging Methods:	Mains charger, 12 V DC at 2 A. In-car charger
Power Supply:	12-18 V DC
Power Consumption:	• 3.5 W at 12 V not charging, • 15 W at 12 V when charging

Flow Pulse HandHeld Controller Front Drawing



Flow Pulse HandHeld Side Drawing

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.

For more information, please visit our website:

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