



# 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:**  $\pm 0.25\%$  of the measured range or 6 mm (0.2 in), whichever is greater.  $\pm 2$  mm (0.01 in) for dB R16 mm WAVE RADAR.

**Resolution:**  $\pm 0.1\%$  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 dB MACH 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

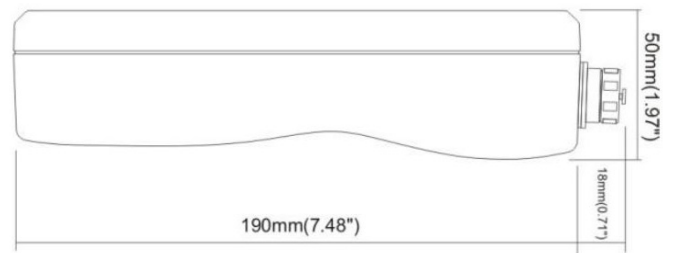
**Programmed Parameter Integrity:** Via non-volatile RAM

## SUPPLY

<b>Rechargeable Battery:</b>	11.1 V DC Li-ion cells
<b>Battery Duration:</b>	4 to 5 hours
<b>Charging Methods:</b>	Mains charger, 12 V DC at 2 A. In-car charger
<b>Power Supply:</b>	12-18 V DC
<b>Power Consumption:</b>	<ul style="list-style-type: none"> <li>• 3.5 W at 12 V not charging,</li> <li>• 15 W at 12 V when charging</li> </ul>



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:

[www.pulsarmeasurement.com](http://www.pulsarmeasurement.com)



INFO@PULSARMEASUREMENT.COM

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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**