

Product Update



Flow Pulse Handheld Controller

Features

- Compact, mobile controller for Flow Pulse
- Rechargeable battery or mains operation
- IP65 polycarbonate body
- On-board logging and USB data download gives easy sensor programming
- 3.2 inch colour TFT display
- SoftTouch keypad
- Up to 5 hours continuous operation on one charge

Non-invasive flow monitoring on the move

Flow Pulse Handheld Controller is an indispensable tool for portable flow monitoring and data acquisition. The unit connects to pre-installed Flow Pulse sensors or operates as a self-contained kit, with instant feedback via its colour screen. For true portability, the Handheld Controller will power a Flow Pulse directly, monitoring flow rate to assess system or pump performance.



Pulsar's Handheld controller detects the Flow Pulse sensor when the on-board RS-485 line is connected, auto-loads operating parameters and reads instantaneous flow rate. The colour screen and simple programming allow the operator to view traces and recorded data files, as well as loading and saving parameter files. The ergonomically designed Handheld is rated IP65.

4GB of on-board memory provides storage for nearly a year's worth of data (around 120 days with traces) at 10 second recording intervals. Sleep/wake function allows extended logging, with data downloaded via USB to Pulsar Flow Pulse PC software and .csv file for further analysis.

The Flow Pulse Handheld is available as a stand-alone unit to use with existing Flow Pulse sensors, or can be purchased as a complete kit with Flow Pulse and a convenient carry case. Mains or battery operation, with in-car charger.



OPTIONAL CARRY CASE



Typical Applications

- Identify inefficient pumps
- Identify faulty non-return valves
- Record flow for analysis and comparison
- Monitor pump system performance

UK CERTIFICATIONS



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Registered Company
ISO 9001:2008
Cert No. 950136-1



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ISO 14001:2004
Cert No. 072570-1



pulsar[®]
PROCESS MEASUREMENT

Flow Pulse Handheld Controller:

Technical Information

PHYSICAL	
Dimensions:	188 x 122 x 48mm, 7.4 x 4.8 x 1.9 inches
Weight:	Nominal 560g (1.2lbs)
Enclosure material:	Polycarbonate
Cable entry:	Supplied with 5m cable with IP68 rated plug/socket and sealing cap (other cable lengths are available)
Maximum separation:	100m (328 ft)
Display:	3.2 inch TFT
Interface:	SoftTouch keyboard
ENVIRONMENTAL	
Operating temperature:	-20°C to +60°C (-4°F to +140°F) +10°C to +40°C (+50°F to +104°F) during recharging
Ingress protection:	IP65
Fire Protection:	Flame Resistant UL94 V2 rated
CE approval:	Complies with BS EN 61326-1:2006 for emissions and immunity
DATA LOGGING	
Capacity:	4GB on-board (360 days without traces or 120 days with traces at 10 sec intervals)
Mode:	Continuous or low-power
Format:	Flow Pulse PC and Excel CSV
Access:	USB access to on-board storage for data transfer, direct data replay and format conversion
OUTPUTS	
RS485:	Digital communications with sensor
RS232:	Firmware upgrade
Power supply to sensor:	10-12VDC
PROGRAMMING	
On-board:	By integral keypad
PC:	By USB for data access By internal RS232 port for firmware upgrade
SUPPLY	
Power supply:	12.6V Li-ion battery (2000mAh) 12VDC input (up to 16V max)
Power consumption:	400mA at 12VDC average 7W maximum power
Internal fuses:	400mA sensor-facing fuse 1A battery pack fuse 2A fast-blow DC input fuse Double independent thermal fuses

Pulsar Process Measurement Limited operates a policy of constant development and improvement and reserves the right to amend technical details as necessary

Pulsar® Process Measurement Ltd.

Cardinal Building
Enigma Commercial Centre
Sandy's Road
Malvern
Worcestershire
WR14 1JJ
England
Tel: +44 (0) 1684 891 371
Fax: +44 (0) 1684 575 985
Email: info@pulsar-pm.com

Pulsar® Process Measurement Inc.

P.O. Box 5177
4565 Commercial Drive
Suite 105
Niceville
FL 32578
USA
Tel: +1 850 279 4882
Fax: +1 850 279 4886
Email: info.usa@pulsar-pm.com

www.pulsar-pm.com