

Part No.

# FLP1-GP-2M

*FieldLab Pressure, 1000 psi / 70 bar / 7 MPa, 1/4" Male NPT bottom connection*

A brand new way of thinking about calibration - use this FieldLab to create tests, put them on one or more FieldLabs, log the results and get the data onto a PC easily and quickly.



FLP1-GP-2M

## Specs/Attributes

|                                 |  |
|---------------------------------|--|
| Accuracy - Pressure Measurement | +/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale)   |
| Battery Count                   | 1  |
| Battery Life                    | 1000 Hours   |
| Battery Type                    | Lithium Ion rechargeable, 4.8 Ah Capacity  |
| Burst Pressure                  | 4000 PSI / 275 bar / 28 MPa  |
| Calibration Certificate         | NIST traceable (included)  |
| Certifications                  | Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, North America - Class 1 Division 1 Groups A-D, T4, (-10 < Ta < 50 °C), ATEX - Ex II 1 G Ex ia IIC T4 Ga (-10 < Ta < 50 °C), IECEx - Ex ia IIC T4 Ga (-10 < Ta < 50 °C), UN/DOT 38.3 (Lithium Batteries), Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU |
| Country Adapters                | North America, Europe, United Kingdom, Australia, China  |

## Specs/Attributes

|                           |  |
|---------------------------|--|
| Country of origin         | USA  |
| Datalogging               | 2 million points (onboard)   |
| Engineering Units         | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm <sup>2</sup> , mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in <sup>2</sup> |
| Harmonized Code           | 9026.20.0000   |
| LCD Display               | 3.5 in / 90mm Color TFT LCD Display  |
| Materials                 | 316 Stainless Steel, Reinforced Polyamide  |
| Max Operating Temperature | 120 °F / 50 °C   |
| Max Pressure              | 1000 PSI / 70 bar / 7.00 MPa   |
| Max Storage Temperature   | 165 °F / 75 °C   |
| Measurement Type          | Gauge Pressure   |
| Media Compatibility       | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water  |
| Min Operating Temperature | 14 °F / -10 °C   |
| Min Storage Temperature   | -20 °F / -29 °C  |
| Mounting Holes            | 3 x M5 Inserts (10 mm deep)  |
| Operating Altitude (max)  | 10,000 ft (3050 m)   |
| Power Input               | 90-264 VAC, 50-60 Hz   |
| Primary Power             | Battery Power  |
| Process Connection        | 1/4" Male NPT  |
| Protection Class          | Pollution Degree 2 (UL / IEC 61010-1)  |
| Relative Humidity         | 0% to 90% (-10 to 35°C) , 0% to 70% (35 to 50°C)   |
| Seal Materials            | Teflon, Viton  |
| Sensor Type               | High Precision MEMS  |
| Temperature Compensation  | 14 to 122°F (-10 to 50°C)  |
| USB Connection            | USB (Type B)   |
| Wetted Materials          | 316 Stainless Steel  |
| Weight                    | 2.56 lbs / 1.16 kg   |
| Dimensions                | H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm)   |