

Part No.

# FLP1-GN-2M-W1

FieldLab Pressure, 500 psi / 35 bar / 3.5 MPa, 1/4" Male NPT bottom connection, wireless module installed

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-GN-2M-W1

## 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                  | 2000 PSI / 140 bar / 14 MPa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Calibration Certificate         | ISO 17025:2017 Accredited                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Country of origin               | USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Data Logging                    | 2 million points (onboard)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Specs/Attributes

|                           |                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                           |
| Ingress Protection        | IP67 (1 meter water submersion for 30 minutes)                                                                                                                         |
| 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              | 500 PSI / 35 bar / 3.50 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                                                                                                                                                    |
| USB Connection            | USB (Type B)                                                                                                                                                           |
| W1 Radio Installed        | Yes                                                                                                                                                                    |
| Wetted Materials          | 316 Stainless Steel                                                                                                                                                    |
| Wireless                  | Zigbee                                                                                                                                                                 |
| Wireless Range            | 500 ft / 155 m                                                                                                                                                         |
| Weight                    | 2.58 lbs / 1.17 kg                                                                                                                                                     |
| Dimensions                | H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm)                                                                                                           |