Part No.

FLP1-GV-XF-EH-SP

Pressure FieldLab, 10,000 psi / 700 bar / 70 MPa in Weatherproof enclosure and solar panel with pole mounting hardware

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Included Items

- Enclosure Pole mounting kit - Fieldlab pole mounting kit for Outdoor Enclosure, 2 in (5 cm) pole (DGAU-0368-2)
- Solar Panel - FieldLab Solar Panel (DGAU-0372)
- Weatherproof Enclosure - FieldLab Outdoor Enclosure (DGAU-0373)
- Pressure FieldLab, 10,000 psi / 700 bar / 70 MPa - FieldLab Pressure, 10,000 psi / 700 bar / 70 MPa, female Quick-test XT bottom connection (FLP1-GV-XF)

Specs/Attributes

Country of origin	USA
Hose 1	Quick-test Hose, Stainless Steel ends, 2ft / 0.6m long
Materials	ABS Plastic, Stainless Steel
Max Pressure	10000 PSI / 700 bar / 70 MPa
Max Operating Temperature	130 °F / 54 °C
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	0 °F / -18 °C

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Specs/Attributes

Pressure Reference	Pressure FieldLab, 10,000 psi / 700 bar / 70 MPa
Process Connection	1/4" Female NPT
Seal Materials	Viton
Weight	21 lbs / 9.53 kg
Dimensions	H: 9 in (22.86 cm) x W: 11.3 in (28.7 cm) x D: 17.5 in (44.45 cm)

Enclosure Pole mounting kit DGAU-0368-2

Materials	Stainless Steel
Country of origin	USA
Hose 1	Quick-test Hose, Stainless Steel ends, 2ft / 0.6m long
Pressure Reference	None
Process Connection	1/4
Reference Connection	1/2
Weight	2 oz / 57 grams
Dimensions	H: 14 in (35.56 cm) x W: 10 in (25.4 cm) x D: 1 in (2.54 cm)

Solar Panel DGAU-0372

Materials	316 Stainless Steel, Anodized Aluminum
Country of origin	USA
Weight	2.00 lbs / 905 grams
Dimensions	H: 12.5 in (31.75 cm) x W: 10 in (25.4 cm) x D: 2.5 in (6.35 cm)

Weatherproof Enclosure DGAU-0373

Materials	316 Stainless Steel, ABS Plastic, Polycarbonate, Powder Coated Steel
Country of origin	USA

Pressure FieldLab, 10,000 psi / 700 bar / 70 MPa FLP1-GV-XF

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	40000 PSI / 2760 bar / 275 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

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Pressure FieldLab, 10,000 psi / 700 bar / 70 MPa FLP1-GV-XF

Data Logging	2 million points (onboard)
Engineering Units	atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm^2, mmHg @0°C, Torr, ftH2O @39°F, cmHg @ 0°C, oz / in^2
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	10000 PSI / 700 bar / 70 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)
Outlet Port	Female Quick-test XT
Power Input	90-264 VAC, 50-60 Hz
Primary Power	Battery Power
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)
Wetted Materials	316 Stainless Steel
Wireless	None
Connector End 1	Female Quick-test XT
Weight	2.56 lbs / 1.16 kg
Dimensions	H: 7.5 in (19.05 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm)