Ralston Instruments

www.ralstoninst.com

Part No.

FLP1-GR-2M

FieldLab Pressure, 3000 psi / 200 bar / 20 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-GR-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	12000 PSI / 825 bar / 83 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

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^2, mmHg @0˚C, Torr, ftH2O @39˚F, cmHg @ 0˚C, oz / in^2
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	3000 PSI / 200 bar / 20 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)
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)