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Part No.

AP0V-300PSIG-FL

Calibration kit, AP0V pneumatic pump, 300 psi / 20 bar / 2 MPa FieldLab (0.1% of reading Accuracy)

Calibrate pressure instrumentation to 300 psi with air using the included pressure gauge

AP0V-300PSIG-FL

Included Items

- Hand Pump - AP0V Pneumatic Pump (AP0V)
- Gauge - FieldLab Pressure, 300 psi / 20 bar / 2 MPa, Male Quick-test bottom connection (FLP1-GL-QM)
- Process Connection - 1/4" male NPT x male Quick-test, no check-valve, brass (QTHA-2MB0)
- Hose - Quick-test 6900 psi hose, brass hose ends, 3 ft (92 cm) long (QTQT-HOS-3ft)

Specs/Attributes

Pressure Reference	Pressure FieldLab, 300 psi / 20 bar / 2 MPa
Process Connection	1/4" Male NPT
Reference Connection	None
Country of origin	USA
Materials	Anodized Aluminum, Plated Steel
Seal Materials	Buna-N, Delrin, Teflon
Max Pressure	300 PSI / 20 bar / 2.00 MPa
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C
Weight	3.69 lbs / 1.67 kg
Dimensions	H: 8 in (20.32 cm) x W: 9 in (22.86 cm) x D: 3.5 in (8.89 cm)

Hand Pump AP0V

Max Pressure	300 PSI / 20 bar / 2.00 MPa
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C

Hand Pump AP0V

Fine Adjustment Resolution	0.01 PSI / 0.07 mbar / 0.00 kPa
Country of origin	USA
Materials	Anodized Aluminum, Brass, Plated Steel
Media Compatibility	Air, Inert Gas, Natural Gas
Seal Materials	Buna-N, Delrin
Outlet Port	Male Quick-test, Male Quick-test with cap and chain
Weight	1.60 lbs / 725 grams
Dimensions	H: 3.5 in (8.89 cm) x W: 3.8 in (9.65 cm) x D: 9.5 in (24.13 cm)

Gauge FLP1-GL-QM

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	1200 PSI / 83 bar / 8.30 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
Datalogging	2 million points
Engineering Units	atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm^2, mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in^2
FieldLab Model	FLP1-GL
Harmonized Code	9026.20.0000
LCD Display	3.5 in / 90mm Color TFT LCD Display
Materials	Reinforced Polyamide
Max Operating Temperature	120 °F / 50 °C
Max Pressure	300 PSI / 20 bar / 2.00 MPa
Max Process Media Temperature	120 °F / 50 °C
Max Storage Temperature	165 °F / 75 °C
Max Vacuum	30 InHg / 101.6 kPa
Measurement Type	Gauge Pressure
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	14 °F / -10 °C

Gauge FLP1-GL-QM

Min Process Media Temperature	14 °F / -10 °C
Min Storage Temperature	0 °F / -18 °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	Male Quick-test
Protection Class	Pollution Degree 2 (UL / IEC 61010-1)
Reference Connection	None
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
Connector End 1	Male Quick-test
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)

Process Connection QTHA-2MB0

Burst Pressure	20000 PSI / 1380 bar / 140 MPa
Country of origin	USA
Materials	Brass
Max Operating Temperature	225 °F / 105 °C
Max Pressure	5000 PSI / 350 bar / 35 MPa
Max Vacuum	0.00 InHg / 0.0 kPa
Min Operating Temperature	0 °F / -18 °C
Seal Materials	Buna-N
Wrench Size	9/16 In 15 mm
Connector End 1	1/4" Male NPT (ASME B1.20.1)
Connector End 2	Male Quick-test
Weight	1.09 oz / 31 grams
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 0.56 in (1.42 cm)

Hose QTQT-HOS-3ft

Burst Pressure	27000 PSI / 1860 bar / 185 MPa
Color	Silver
Country of origin	USA

Hose QTQT-HOS-3ft

Fluid Media	Air,Inert Gas,Natural Gas,Petroleum Based Oil,Water
Hose Length	3ft / 0.91 m
Inner Diameter	0.08 In / 3.00 mm
Length	3 ft / 92 cm
Materials	Brass
Max Operating Temperature	140 °F / 60 °C
Max Pressure	6900 PSI / 475 bar / 48 MPa
Max Vacuum	-30.00 InHg / -101.6 kPa
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	-40 °F / -40 °C
Minimum Bend Radius	1.00 In / 26 mm
Outer Diameter	0.20 In / 6.00 mm
Type	QT
Weight	2.68 oz / 76 grams