

Part No.

HPOV-3KPSIG-FL

Calibration kit, HPOV Hydraulic Pump, 3000 psi / 200 bar / 20 MPa FieldLab (0.1% of Reading Accuracy)

Pressure source and gauge in one hand.
Directly connect to a process connection and
calibrate using your precision gauge.



HPOV-3KPSIG-FL

Included Items

- Gauge - FieldLab Pressure, 3000 psi / 200 bar / 20 MPa, Male Quick-test bottom connection (FLP1-GR-QM)
- Hand Pump - HPGV 3000 psi Hydraulic Hand Pump (HPGV)
- 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)
- Gauge Swivel - Male Quick-test swivel, brass (SWIV-QTBW)

Specs/Attributes

| | |
|---------------------------|---|
| Hose 1 | Quick-test Hose, Brass ends, 3ft / 0.9m long |
| Pressure Reference | Pressure FieldLab, 3000 psi / 200 bar / 20 MPa |
| Process Connection | 1/4" Male NPT |
| Reference Connection | 1/4" Female NPT |
| Country of origin | USA |
| Materials | Anodized Aluminum, Brass, Plated Steel, Stainless Steel |
| Seal Materials | Buna-N, Delrin, Synthetic Cork |
| Max Pressure | 3000 PSI / 200 bar / 20 MPa |
| Min Operating Temperature | 0 °F / -18 °C |
| Max Operating Temperature | 130 °F / 54 °C |
| Weight | 4.73 lbs / 2.15 kg |
| Dimensions | H: 9 in (22.86 cm) x W: 10 in (25.4 cm) x D: 5 in (12.7 cm) |

Gauge FLP1-GR-QM

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|---------------------------------|--|
| Accuracy - Pressure Measurement | +/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale) |
|---------------------------------|--|

Gauge FLP1-GR-QM

| | |
|---------------------------|---|
| 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 |
| 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 | Male Quick-test |
| 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 |

Gauge FLP1-GR-QM

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|-----------------|--|
| Connector End 1 | Male Quick-test |
| Weight | 2.56 lbs / 1.16 kg |
| Dimensions | H: 7.5 in (19.05 cm) x W: 5 in (12.7 cm) x D: 1.5 in (3.81 cm) |

Hand Pump HPGV

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|----------------------------|--|
| Max Pressure | 3000 PSI / 200 bar / 20 MPa |
| Min Operating Temperature | 0 °F / -18 °C |
| Max Operating Temperature | 130 °F / 54 °C |
| Fine Adjustment Resolution | 0.01 PSI / 0.07 mbar / 0.00 kPa |
| Country of origin | USA |
| Materials | Brass, Plated Steel, Polycarbonate, Powder Coated Steel, Stainless Steel |
| Media Compatibility | Petroleum Based Oil, Water |
| Outlet Port | Male Quick-test with check-valve |
| Seal Materials | Buna-N, Synthetic Cork, Teflon |
| Weight | 2.60 lbs / 1.18 kg |
| Dimensions | H: 4.3 in (10.92 cm) x W: 5.5 in (13.97 cm) x D: 10 in (25.4 cm) |

Process Connection QTHA-2MB0

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|---------------------------|--|
| 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 |

Hose QTQT-HOS-3ft

| | |
|---------------------------|---|
| Country of origin | USA |
| 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 |

Gauge Swivel SWIV-QTBW

| | |
|---------------------------|--|
| Country of origin | USA |
| Has Check Valve | No |
| 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 | Male Quick-test |
| Connector End 2 | Male Gauge Swivel |
| Weight | 1.62 oz / 46 grams |
| Dimensions | H: 2.08 in (5.28 cm) x W: 0.64 in (1.63 cm) x D: 0.64 in (1.63 cm) |