

Part No.

# DPOV-100PSIG-D

*DPOV (125 psi / 8.6 bar) pump, 100 psi digital gauge, 3ft hose, 1/4" MNPT process connection*

Pump and pressure gauge combination includes everything needed to perform accurate, precise low pressure calibrations



DPOV-100PSIG-D

## Included Items

- Hand Pump - DPOV Pneumatic Hand Pump (DPOV)
- Pressure Reference - LC10 pressure gauge, 100 psi / 7 bar / 700 kPa, 1/4" Male NPT bottom connection (LC10-GJ2M)
- Reference Connection - 1/4" female NPT x female Quick-test, no check-valve, brass (QTHA-2FBA)
- 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	Digital pressure gauge, 100 PSIG Pressure
Process Connection	1/4" Male NPT
Reference Connection	1/4" Female NPT
Country of origin	USA
Max Pressure	125 PSI / 8.6 bar / 860 kPa
Max Vacuum	0.00 InHg / 0.0 kPa
Materials	Anodized Aluminum, Brass, Stainless Steel
Seal Materials	Buna-N, Delrin, Teflon
Min Operating Temperature	0 °F / -18 °C

## Specs/Attributes

Max Operating Temperature	130 °F / 54 °C
Weight	2.15 lbs / 975 grams
Dimensions	H: 8 in (20.32 cm) x W: 7.93 in (20.14 cm) x D: 2.9 in (7.37 cm)

## Hand Pump DPOV

Max Pressure	125 PSI / 8.6 bar / 860 kPa
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C
Pressure Media	Air
Fine Adjustment Resolution	0.01 PSI / 0.07 mbar / 0.00 kPa
Burst Pressure	1000 PSI / 70 bar / 7.00 MPa
Media Compatibility	Air, Inert Gas, Natural Gas
Outlet Port	Male Quick-test, Male Quick-test with cap and chain
Country of origin	USA
Harmonized Code	8414.20.0000
Materials	Anodized Aluminum, Brass
Seal Materials	Buna-N, Delrin
Weight	1.60 lbs / 725 grams
Dimensions	H: 2.9 in (7.37 cm) x W: 8 in (20.32 cm) x D: 3.4 in (8.64 cm)

## Pressure Reference LC10-GJ2M

Battery Count	2
Battery Life	1500 Hours
Battery Type	AA Alkaline (IEC-LR6)
Burst Pressure	400 PSI / 28 bar / 2.80 MPa
Calibration Certificate	Not included
Certifications	Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, 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 of origin	USA
Datalogging	PC based (via USB)
Electrical Rating	50 mA @ 5 VDC
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	2.4 in / 61 mm segmented LCD Display
Materials	ABS / Polycarbonate Blend, Powder Coated Aluminum

## Pressure Reference LC10-GJ2M

Max Operating Temperature	120 °F / 50 °C
Max Pressure	100 PSI / 7 bar / 700 kPa
Max Storage Temperature	165 °F / 75 °C
Measurement Type	Gauge Pressure
Media Compatibility	Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Inert Gas, Mineral Oil, Natural Gas, Petroleum Based Oil, Skydrol, Windshield washer fluid, Transmission fluid, Light motor oil, Ralston Calibration Oil, Water
Min Operating Temperature	-4 °F / -20 °C
Min Storage Temperature	-40 °F / -40 °C
Operating Altitude (max)	10,000 ft (3050 m)
Panel Mount	No
Pressure Measurement Uncertainty	+/- 0.25% of Full Scale (ASME B40.100 Grade 3A/ISO Class 0.25)
Primary Power	Battery Power
Process Connection	1/4" Male NPT
Process Connection Location	Bottom mount
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)
Sensor Type	High Precision MEMS, Pressure Sensor
Temperature Compensation	None
USB Connection	USB (Micro B)
Wetted Materials	316 Stainless Steel
Wrench Size	7/8 In 23 mm
Weight	12.6 oz / 355 grams
Dimensions	H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm)

## Reference Connection QTHA-2FBA

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
Wrench Size	3/4 In 19 mm
Dimensions	H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 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
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm)

### Hose QTQT-HOS-3ft

Burst Pressure	27000 PSI / 1860 bar / 185 MPa
Color	Silver
Country of origin	USA
Fluid Media	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
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	0.00 InHg / 0.0 kPa
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