

Part No.

# SPOV-100PSIG-D

Gas Sampling Pump, 2 hoses, 100 psi digital gauge kit

The SPOV gas sampling pump can pull low pressure gas from a well and boost it to 25 psi to pump it into a sample cylinder



SPOV-100PSIG-D

## Included Items

- Hand Pump - SPOV Gas Sampling Pump (SPOV)
- 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, S.S. (QTHA-2FSA)
- Process Connection 1 - QTHA-2MS0-VT (QTHA-2MS0-VT)
- Process Connection 2 - QTHA-2MS0-VT (QTHA-2MS0-VT)
- Hose 1 - Quick-test 6900 psi hose, S.S. hose ends, 6 ft (1.83 m) long (QSQS-HOS-6ft)
- Hose 2 - Quick-test 6900 psi hose, S.S. hose ends, 3 ft (92 cm) long (QSQS-HOS-3ft)

## Specs/Attributes

Hose 1	Quick-test Hose, Stainless Steel ends, 6ft / 1.9m long
Pressure Reference	Digital pressure gauge, 100 PSIG Pressure
Process Connection	1/4" Male NPT
Reference Connection	1/4" Female NPT
Materials	Anodized Aluminum, Stainless Steel
Seal Materials	Viton
Max Pressure	100 PSI / 7 bar / 700 kPa
Max Operating Temperature	130 °F / 54 °C
Hose 2	Quick-test Hose, Stainless Steel ends, 3ft / 0.9m long
Inlet Port	Male Quick-test

## Specs/Attributes

Outlet Port	Male Quick-test
Country of origin	USA
Weight	2.28 lbs / 1.03 kg
Dimensions	H: 7.88 in (20.02 cm) x W: 3.75 in (9.53 cm) x D: 7.75 in (19.69 cm)

## Hand Pump SPOV

Max Pressure	100 PSI / 7 bar / 700 kPa
Max Operating Temperature	140 °F / 60 °C
Materials	Anodized Aluminum, Stainless Steel
Media Compatibility	Air, Inert Gas, Natural Gas
Min Operating Temperature	0 °F / -18 °C
Outlet Port	Male Quick-test, Male Quick-test with cap and chain
Seal Materials	Delrin, Viton
Inlet Port	Male Quick-test with check-valve
Pressure Media	Gas
Country of origin	USA
Harmonized Code	8414.20.0000
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
Max Operating Temperature	120 °F / 50 °C
Max Pressure	100 PSI / 7 bar / 700 kPa

## Pressure Reference LC10-GJ2M

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-2FSA

Country of origin	USA
Has Check Valve	No
Materials	Stainless Steel
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 1 QTHA-2MS0-VT

Materials	Stainless Steel
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### Process Connection 1 QTHA-2MS0-VT

Seal Materials	Viton
Country of origin	USA

### Process Connection 2 QTHA-2MS0-VT

Materials	Stainless Steel
Seal Materials	Viton
Country of origin	USA

### Hose 1 QSQS-HOS-6ft

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
Hose Length	6 ft / 1.83 m
Inner Diameter	0.08 In / 3.00 mm
Length	6 ft / 2.00 m
Materials	Stainless Steel
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

### Hose 2 QSQS-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
Hose Length	3ft / 0.91 m
Inner Diameter	0.08 In / 3.00 mm
Length	3 ft / 92 cm
Materials	Stainless Steel
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

**Hose 2** QSQS-HOS-3ft

Min Operating Temperature	-40 °F / -40 °C
Minimum Bend Radius	1.00 In / 26 mm
Outer Diameter	0.20 In / 6.00 mm
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