

Part No.

# QTHP-5KPSIG-FL

5kpsi / 35 MPa Hydraulic hand pump, 5,000 psi FieldLab

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## Included Items

- Hand Pump - Hydraulic Hand Pump, 5000 psi / 35 MPa (QTHP)
- Pressure Reference - Pressure FieldLab, 3000 psi / 200 bar / 20 MPa, Female Quick-test bottom connection (FLP1-GR-QF)
- 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

Hose 1	Quick-test Hose, Stainless Steel ends, 3ft / 0.9m long
Pressure Reference	Pressure FieldLab, 5000 psi / 350 bar / 35 MPa
Process Connection	1/4" Male NPT
Reference Connection	None

## Specs/Attributes

Weight	52 oz / 3.25 lbs / 1.47 kg
Dimensions	H: 5.7 in (14.48 cm) x W: 6 in (15.24 cm) x D: 8.6 in (21.84 cm)

## Hand Pump QTHP

Materials	Anodized Aluminum, Brass, Stainless Steel
Max Pressure	5000 PSI / 345 bar / 35 MPa
Media Compatibility	Petroleum Based Oil, Water
Seal Materials	Buna-N, Teflon
Fine Adjustment Resolution	0 PSI / 0 mbar / 0.00 kPa
Weight	46.9 oz / 2.93 lbs / 1.33 kg
Dimensions	H: 5.7 in (14.48 cm) x W: 6 in (15.24 cm) x D: 10.6 in (26.92 cm)

## Pressure Reference FLP1-GR-QF

Burst Pressure	4 PSI / 28 mbar / 28 kPa
Certifications	Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL 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)
Charging	AC Power (Australia, China, Europe, North America, UK adapters included), DC Auto power (Optional)
Datalogging	2 million points
Ingress Protection	IP67 (1 meter water submersion for 30 minutes)
LCD Display	3.5 in / 90mm Color TFT LCD Display
Materials	316 Stainless Steel, Reinforced Polyamide
Max Pressure	3000 PSI / 205 bar / 21 MPa
Max Storage Temperature	165 °F / 75 °C
Max Temperature	120 °F / 50 °C
Measurement Type	Gauge Pressure
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Storage Temperature	-20 °F / -29 °C
Min Temperature	14 °F / -10 °C
Mounting Holes	3 x M5 Inserts (10 mm deep)
Pressure Measurement Uncertainty	+/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale), +/- 0.25% of Full Scale (Vacuum)
Process Connection	Female Quick-test
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	40.9 oz / 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

Has Check Valve	No
Materials	Brass
Max Pressure	5000 PSI / 345 bar / 35 MPa
Max Temperature	225 °F / 105 °C
Max Vacuum	0.00 In Hg / 0.00 mm Hg
Min 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
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 Pressure	6900 PSI / 475 bar / 48 MPa
Max Temperature	140 °F / 60 °C
Max Vacuum	0.00 In Hg / 0.00 mm Hg
Min Temperature	-40 °F / -40 °C
Minimum Bend Radius	1.00 In / 26 mm
Outer Diameter	0.20 In / 6.00 mm
Type	QT