

Part No.

# QTVC-KIT4-GR

3000 psi / 20MPa calibration kit with Wireless FieldLab, 4 port manifold

Full calibration setup for calibrating pressure gauges and transmitters in a laboratory up to 3000 psi / 20Mpa.



QTVC-KIT4-GR

## Included Items

- Pressure Reference - Pressure FieldLab, wireless module, 3000 psi / 200 bar / 20 MPa, Female Quick-test bottom connection (FLP1-GR-QF-W1)
- Volume controller - QTVC Volume Controller (QTVC)
- Test Manifold - 4 port manifold with Quick-test connections, 5000 psi/350 bar, 316 Stainless Steel (MF4S-QM)
- Hose - Quick-test 6900 psi hose, brass hose ends, 6 ft (1.83 m) long (QTQT-HOS-6ft)
- Hose - Quick-test 6900 psi hose, brass hose ends, 3 ft (92 cm) long (QTQT-HOS-3ft)
- Regulator - 3000 PSI Regulator, 2 pressure gauges, CGA 580 inlet connection, Male Quick-test outlet conn. kit (XREG-KIT0)

## Specs/Attributes

Weight	7.71 lbs / 3.50 kg
Dimensions	H: 14 in (35.56 cm) x W: 8.5 in (21.59 cm) x D: 9 in (22.86 cm)

## Pressure Reference FLP1-GR-QF-W1

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	12000 PSI / 825 bar / 83 MPa
Calibration Certificate	ISO 17025:2017 Accredited

**Pressure Reference FLP1-GR-QF-W1**

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	Female 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)
W1 Radio Installed	Yes
Wetted Materials	316 Stainless Steel
Wireless	Zigbee
Wireless Range	500 ft / 155 m
Connector End 1	Female Quick-test
Weight	2.58 lbs / 1.17 kg
Dimensions	H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm)

## Volume controller QTVC

Harmonized Code	9032.81.0060
Inlet Port	Male Quick-test
Outlet Port	Male Quick-test, Male Quick-test with cap and chain
Max Pressure	3000 PSI / 200 bar / 20 MPa
Max Vacuum	10 InHg / 33.9 kPa
Min Operating Temperature	0 °F / -18 °C
Max Operating Temperature	130 °F / 54 °C
Mechanical Rotation	42 turns (pressure balanced)
Materials	Anodized Aluminum, Brass, Powder Coated Steel, Stainless Steel
Media Compatibility	Air, Inert Gas, Natural Gas
Seal Materials	Buna-N, Delrin, Teflon
Country of origin	USA
Fine Adjustment Resolution	0.0005 psi / 3 Pa
Weight	3.70 lbs / 1.68 kg
Dimensions	H: 6.8 in (17.27 cm) x W: 8.5 in (21.59 cm) x D: 6.6 in (16.76 cm)

## Test Manifold MF4S-QM

Country of origin	USA
Inlet Port	Male Quick-test
Materials	Powder Coated Steel, Stainless Steel
Max Operating Temperature	130 °F / 54 °C
Max Pressure	5000 PSI / 350 bar / 35 MPa
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	0 °F / -18 °C
Outlet Port	Male Quick-test, Male Quick-test with cap and chain
Seal Materials	Buna-N
Weight	2.50 lbs / 1.13 kg
Dimensions	H: 4 in (10.16 cm) x W: 18 in (45.72 cm) x D: 4.38 in (11.13 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
Hose Length	3ft / 0.91 m

### Hose QTQT-HOS-3ft

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

### Regulator XREG-KIT0

Accuracy - Pressure Measurement	+/- 3/2/3% of Full Scale (ASME B40.100 Grade B)
Certifications	CGA 580 (USA)
Country of origin	USA
Dial Size	2.50 In / 64 mm
Harmonized Code	8481.10.0040
Has Check Valve	No
Materials	Anodized Aluminum, Stainless Steel
Max Operating Temperature	130 °F / 54 °C
Max Pressure	3000 PSI / 200 bar / 20 MPa
Max Vacuum	0.00 InHg / 0.0 kPa
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	0 °F / -18 °C
Process Connection	CGA 580
Seal Materials	Buna-N, Delrin, Teflon
Wrench Size	9/16 In 15 mm
Weight	2.57 lbs / 1.17 kg
Dimensions	H: 7.75 in (19.69 cm) x W: 7.75 in (19.69 cm) x D: 7.75 in (19.69 cm)