

Part No.

# QTVC-1KPSIG-D

QTVC volume controller, 1000 PSI digital gauge, 6ft, 3ft hoses, (2) 1/4in MNPT process conn.

Connect to and calibrate both very low or high pressure instrumentation using included volume controller and pressure gauge



QTVC-1KPSIG-D

## Included Items

- Volume Controller - QTVC Volume Controller (QTVC)
- Pressure Reference - LC10 pressure gauge, 1000 psi / 70 bar / 7 MPa, 1/4" Male NPT bottom connection (LC10-GP2M)
- Reference Connection - 1/4" female NPT x female Quick-test, no check-valve, brass (QTHA-2FBA)
- Process Connection 2 - 1/4" male NPT x male Quick-test, no check-valve, brass (QTHA-2MB0)
- Process Connection 1 - 1/4" male NPT x male Quick-test, no check-valve, brass (QTHA-2MB0)
- Hose 1 - Quick-test 6900 psi hose, brass hose ends, 6 ft (1.83 m) long (QTQT-HOS-6ft)
- Hose 2 - Quick-test 6900 psi hose, brass hose ends, 3 ft (92 cm) long (QTQT-HOS-3ft)

## Specs/Attributes

Materials	Anodized Aluminum, Brass, Plated Steel, Stainless Steel
Seal Materials	Buna-N, Delrin, Teflon
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
Hose 1	Quick-test Hose, Brass ends, 6ft / 1.9m long
Hose 2	Quick-test Hose, Brass ends, 3ft / 0.9m long
Pressure Reference	Digital pressure gauge, 1000 PSIG Pressure
Process Connection	1/4" Male NPT
Reference Connection	1/4" Female NPT

## Specs/Attributes

Country of origin	USA
Weight	6.51 lbs / 2.95 kg
Dimensions	H: 10.5 in (26.67 cm) x W: 8.5 in (21.59 cm) x D: 7.38 in (18.75 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
Pressure Media	Nitrogen, inert gas
Fine Adjustment Resolution	0.00 PSI / 0.00 mbar / 0.00 kPa
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
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)

## Pressure Reference LC10-GP2M

Accuracy - Pressure Measurement	+/- 0.25% of Full Scale (ASME B40.100 Grade 3A/ISO Class 0.25)
Battery Count	2
Battery Life	1500 Hours
Battery Type	AA Alkaline (IEC-LR6)
Burst Pressure	4000 PSI / 275 bar / 28 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)

**Pressure Reference LC10-GP2M**

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	1000 PSI / 70 bar / 7.00 MPa
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
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
Connector End 1	1/4" Female NPT (ASME B1.20.1)

## Reference Connection QTHA-2FBA

Connector End 2	Female Quick-test
Dimensions	H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 cm)

## Process Connection 2 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
Connector End 1	1/4" Male NPT (ASME B1.20.1)
Connector End 2	Male Quick-test
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm)

## Process Connection 1 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
Connector End 1	1/4" Male NPT (ASME B1.20.1)
Connector End 2	Male Quick-test
Dimensions	H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm)

## Hose 1 QTQT-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

## Hose 1 QTQT-HOS-6ft

Inner Diameter	0.08 In / 3.00 mm
Length	6 ft / 2.00 m
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

## Hose 2 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
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