

Part No.

# QTCM-1MBA-20-2

QTCM manifold, 1/8" MNPT gauge adapter, 20ft, 2ft hoses, (2) 1/4" MNPT process conn., nylon bag

Attach a gauge or pressure calibrator directly to the calibration manifold and easily perform static pressure calibrations (pressure gauge not included)



QTCM-1MBA-20-2

## Included Items

- Manifold - QTCM Brass Calibration Manifold (QTCM)
- Reference Connection - 1/8" male NPT x female Quick-test, no check-valve, brass (QTHA-1MBA)
- Process Connection (Qty 2) - 1/4" male NPT x male Quick-test, no check-valve, brass (QTHA-2MB0)
- Hose 1 - Quick-test 6900 psi hose, brass hose ends, 20 ft (6.10 m) long (QTQT-HOS-20ft)
- Hose 2 - Quick-test 6900 psi hose, brass hose ends, 2 ft (61 cm) long (QTQT-HOS-2ft)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0027)

## Specs/Attributes

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Max Pressure              | 3000 PSI / 200 bar / 20 MPa                                        |
| Materials                 | Anodized Aluminum, Brass                                           |
| Seal Materials            | Buna-N, Delrin, Teflon                                             |
| Min Operating Temperature | 0 °F / -18 °C                                                      |
| Max Operating Temperature | 130 °F / 54 °C                                                     |
| Country of origin         | USA                                                                |
| Hose 1                    | Quick-test Hose, Brass ends, 20ft / 6.1m long                      |
| Hose 2                    | Quick-test Hose, Brass ends, 2ft / 0.6m long                       |
| Pressure Reference        | None                                                               |
| Process Connection        | 1/4" Male NPT                                                      |
| Reference Connection      | 1/8" Male NPT                                                      |
| Weight                    | 2.15 lbs / 975 grams                                               |
| Dimensions                | H: 3.78 in (9.6 cm) x W: 5.16 in (13.11 cm) x D: 2.63 in (6.68 cm) |

### Manifold QTCM

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Max Pressure               | 3000 PSI / 200 bar / 20 MPa                                      |
| Min Operating Temperature  | 0 °F / -18 °C                                                    |
| Max Operating Temperature  | 130 °F / 54 °C                                                   |
| Harmonized Code            | 9032.81.0060                                                     |
| Country of origin          | USA                                                              |
| Fine Adjustment Resolution | 0.1 psi / 690 Pa                                                 |
| Inlet Port                 | Male Quick-test                                                  |
| Materials                  | Anodized Aluminum, Brass                                         |
| Media Compatibility        | Air, Inert Gas, Natural Gas                                      |
| Outlet Port                | Male Quick-test                                                  |
| Seal Materials             | Buna-N, Delrin, Teflon                                           |
| Burst Pressure             | 12000 PSI / 825 bar / 83 MPa                                     |
| Weight                     | 2.20 lbs / 1000 grams                                            |
| Dimensions                 | H: 3.8 in (9.65 cm) x W: 5.1 in (12.95 cm) x D: 2.3 in (5.84 cm) |

### Reference Connection QTHA-1MBA

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| 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               | 9/16 In<br>15 mm                                                 |
| Connector End 1           | 1/8" Male NPT (ASME B1.20.1)                                     |
| Connector End 2           | Female Quick-test                                                |
| Weight                    | 1.36 oz / 39 grams                                               |
| Dimensions                | H: 1.55 in (3.94 cm) x W: 0.7 in (1.78 cm) x D: 0.7 in (1.78 cm) |

### Process Connection (Qty 2) QTHA-2MBO

|                           |                                |
|---------------------------|--------------------------------|
| 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            |

**Process Connection (Qty 2) QTHA-2MB0**

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Min Operating Temperature | 0 °F / -18 °C                                                      |
| Seal Materials            | Buna-N                                                             |
| Wrench Size               | 9/16 In<br>15 mm                                                   |
| Connector End 1           | 1/4" Male NPT (ASME B1.20.1)                                       |
| Connector End 2           | Male Quick-test                                                    |
| Weight                    | 1.09 oz / 31 grams                                                 |
| Dimensions                | H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 0.56 in (1.42 cm) |

**Hose 1 QTQT-HOS-20ft**

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| 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               | 20 ft / 6.10 m                                          |
| Inner Diameter            | 0.08 In / 3.00 mm                                       |
| Length                    | 20 ft / 7.00 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                                                      |
| Weight                    | 5.6 oz / 160 grams                                      |

**Hose 2 QTQT-HOS-2ft**

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| 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       | 2ft / 0.60 m                                            |
| Inner Diameter    | 0.08 In / 3.00 mm                                       |
| Length            | 2 ft / 61 cm                                            |
| Materials         | Brass                                                   |

**Hose 2** QTQT-HOS-2ft

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| 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                    | 2.45 oz / 69 grams                                      |

**Bag** SM-0027

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Materials         | Zippered Nylon                                              |
| Country of origin | USA                                                         |
| Weight            | 3 oz / 85 grams                                             |
| Dimensions        | H: 10 in (25.4 cm) x W: 2 in (5.08 cm) x D: 9 in (22.86 cm) |