

MASS FLOW CONTROLLER QUANTIM, CORIOLIS

QUANTIM
Coriolis Mass Flow Controller QUANTIM

- For all gases and liquids
- Metal sealed
- Optical sensing technique enables accuracy at extreme low flows



PRODUCT DESCRIPTION

Achieve superior accuracy and unmatched zero stability in ultra-low-flow gas and liquid measurement and control with the Quantim® Coriolis mass flow controllers and meters from Brooks Instrument. With the Quantim® series, Brooks has taken the lead in driving improvements in Coriolis flow technology: Our patented Quantim® Coriolis sensor design measures low flows independent of fluid type or process variables. The result: unsurpassed performance - the most accurate, stable, repeatable and reproducible mass flow measurement and control, even under changing conditions.

Features:

- True mass flow measurement
- Accurate density measurement
- 100% of fluid flows through low-mass sensor tube (no bypass)
- The Quantim® Coriolis series' proprietary optical sensing technique enables accuracy at extreme low flows
- Measures both liquids and gases over a wide flow range
- Coplanar valve delivers super-fast response times
- The Quantim® Coriolis series' offers the smallest, lowest-flow Coriolis meter and controller available on the market
- Measures and outputs two of four parameters: mass flow, volumetric flow, temperature, density
- Independent diagnostic/service port and user display
- Variety of material options, enclosure types and area classifications available

SPECIFICATIONS

Approvals	EMC Directive 89/336EEC per EN 50081-2 and EN 61326-1, II 2 G EEx d IIB T6 and II 2 D T 85OC per EN 50014, EN 50018 and EN 50281-1-1, II 3 G EEx nA II T4 and II 3D T 135 C per EN 60079-15: 2003 and EN 50281-1-1: 1998 + A1, KEMA 04ATEX1241 X II3G EEx nA II T4 per EN 60070-15: 2003, Pressure Equipment Directive
Control range	1-100 %
Density Range Max	2 g/cm ³
Density Range Min	0.2 g/cm ³
IP Class	IP40, IP66, IP66XP

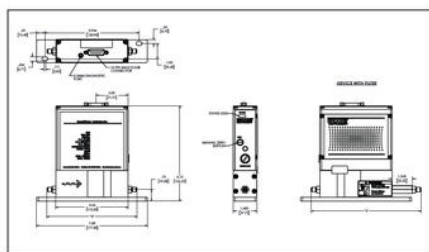


Figure 2 Dimensional Drawing QMC iPad

Figure 2 D-Connector Electrical Pin Connections

REFNO	TV DEMONSTRATION (40-70%)	TV DEMONSTRATION (70-90%)
LIF VOR	6.92 (280.87)	7.39 (293.87)
LIF VOX	6.96 (281.66)	7.37 (293.64)
LIF TARE COMPRESSION	6.88 (274.27)	6.90 (274.47)
LIF TARE COMPRESSION	6.88 (274.27)	6.88 (274.47)
LIF TARE COMPRESSION	6.92 (280.87)	7.39 (293.87)
mean TARE COMPRESSION	6.93 (281.62)	7.3 (293.62)
LIF VMT	5.85 (234.57)	7.08 (279.73)
LIF VMT	6.19 (250.58)	7.44 (299.45)
LIF VOX	6.12 (248.52)	7.41 (298.14)
5.844 (LIF)	6.92 (280.87)	N/A

Figure 3 Lay-in Dimensions Integral Valve