

Gas Flow Transmitter

DS1014



Features:

- Flow rate of 0.5 cm³/min to 1,500 L/min
- 100ms response time
- 30 standard gas calibrations pre-installed
- Digital display
- Push button control



Description:

The MC series of mass flow controllers are easy to use, fast, reliable, accurate, cost effective and robust. They are equipped with multiple analogue outputs and inputs, whilst adding a totaliser allows users to see how much media has flowed through the MFC, making it a great way to monitor usage and identify waste. The MC series MFC can also be used in applications where flow control into a vacuum is critical. The modular design of the controller also allows it to be used in systems where flow is driven by a vacuum.

MCS Series - Aggressive Gases

The MCS series feature all 316L Stainless Steel construction, together with a Stainless Steel control valve, along with selectable elastomeric materials depending on the corrosive gas type. The MCS series has all the same standard features and functionality of the MC series.

Measured Parameters:

- Mass flow
- Volumetric flow
- Pressure (psia)
- Temperature (°C or °F)

Applications:

- Monitor usage and identify waste
- Applications where flow control into a vacuum is critical

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Roxspur Measurement & Control
2 Downgate Drive, Sheffield, South Yorkshire, S4 8BT, UK | Ph: +44 (0) 114-244-2521
www.ttelectronics.com | RoxspurSales@ttelectronics.com

Gas Flow Transmitter

DS1014



Process Connections	10-32 UNF and NPT female
Accuracy	±0.8% of reading
Repeatability	±0.2% FSD
Response Time	10 msec
Turndown Ratio	100:1
Pressure Drop	<28 mbar up to 505 L/min <200 mbar up to 1000 L/min
Pressure	145 psig max
Temperature	50°C max
Wetted Materials	Aluminium, Stainless Steel, Viton, Silicon Gel & Nylon
Power Supply	7 - 30 Vdc, 30mA typical
Outputs	0 - 5 Vdc (4 - 20mA or 0 - 10 Vdc optional)
Electrical Connection	2m long 8-core lead
Display	Graphic LCD
Dimensions	0.005 - 50cm ³ /min = 27 x 61 x 99mm 1cm - 20 L/min = 27 x 61 x 106mm 0.5 - 100 L/min = 41 x 102 x 111mm 2.5 - 1000 L/min = 41 x 102 x 127mm

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | Roxspur Measurement & Control
2 Downgate Drive, Sheffield, South Yorkshire, S4 8BT, UK | Ph: +44 (0) 114-244-2521
www.ttelectronics.com | RoxspurSales@ttelectronics.com