

Analog Mass Flow Controller MC-1000L Series



■ Outlines

- MC-1000L Series: Low cost of MFC ownership possible with elastomer seal attached

■ Features

- Elastomer seal
- Fast-acting solenoid actuator incorporated
- By using metal case and various filters, stable operation can be achieved through reduction of radio frequency noises and electromagnetic field interferences

CE RoHS

Model	MC-1102L-RC	MC-1202L-RC	MC-1252L-RC
Flow rate in Nitrogen (Full scale)	10 ~ 5,000SCCM	6 ~ 30SLM	31 ~ 50SLM
Flow rate control range	2 ~ 100% F.S.		
Valve operation mode	Normally closed		
Accuracy	±1.0% F.S.		±2.0% F.S.
Repeatability	±0.2% F.S.		
Response time	1 sec		
Analog flow rate setting signal	0 ~ 5VDC		
Analog flow rate output signal	0 ~ 5VDC		
Operating differential pressure	50 ~ 300kPa	100 ~ 300kPa	200 ~ 300kPa
Withstand pressure	1MPa(G)		
Temperature coefficient	Zero	±0.1% F.S. / °C	
	Span	±0.1% F.S. / °C	
Operating temperature	5 ~ 50°C 40 ~ 70% RH		
Leak integrity	1×10 ⁻⁷ Pa · m ³ / sec He		
Materials exposed to gas	SUS316L, Magnetic stainless steel, PTFE		
Seal materials	Fluororubber or Polychloroprene		
Power supply requirement	+15VDC±3% 25mA, -15VDC±3% 180mA		
Mounting position	Free		
Analog connector	Dsub 9pin		
Control valve actuator	Solenoid actuator		
Weight	1.2kg		