

High Temperature Mass Flow Controller MC-3000L-TC Series



■ Outlines

- MC-3000L-TC Series: Mass flow controller with maximum operating temperature up to 120°C

■ Features

- Maximum operating temperature of 120°C
- RS-485 digital interface
- LINTEC's unique ambient temperature-compensated sensor incorporated
- Highly functional upon installation of microprocessor
- Diaphragm valve with small dead volume
- High-speed and high performance solenoid actuator
- Long-term leak tightness ensured using metal seal
- By using metal case and various filters, stable operation can be achieved through reduction of radio frequency noises and electromagnetic field interferences

RoHS

Model	MC-3102L-TC	MC-3202L-TC
Flow rate in Nitrogen (Full scale)	10 ~ 5,000SCCM	~ 25SLM
Flow rate control range	2 ~ 100% F.S.	
Valve operation mode	Normally closed	
Accuracy	±1.0% F.S.	
Repeatability	±0.2% F.S.	
Response time	1 sec	3sec
Analog flow rate setting signal	0 ~ 5VDC	
Analog flow rate output signal	0 ~ 5VDC	
Operating differential pressure	50 ~ 300kPa	150 ~ 300kPa
Withstand pressure	1MPa(G)	
Operating temperature	- L : 80 ~ 100°C 0 ~ 80% RH - H : 100 ~ 120°C 0 ~ 80% RH	
Bake temperature	150°C	
Leak integrity	1×10 ⁻¹¹ Pa · m ³ / sec He	
Materials exposed to gas	SUS316L, PCTFE	
Seal materials	Au	
Power supply requirement	+15VDC±3% 100mA, -15VDC±3% 200mA	
Mounting position	Free	
Analog connector	Dsub 9pin	
Digital interface	RJ45/RS-485	
Control valve actuator	Solenoid actuator	
Weight	1.2kg	

*Please consult us if you plan to apply low differential pressure, because depending on your operation conditions (gas type, temperature etc.), the MFC's flow range, response time and other specifications might change.