

## 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 original ambient temperature-compensated sensor incorporated
- Highly functional upon installation of microprocessor
- Diaphragm valve with small dead volume
- High-speed and high performance piezoelectric 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-L	MC-3102L-TC-H
Flow rate in Nitrogen (Full scale)	10 ~ 5,000SCCM	
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	
Analog flow rate setting signal	0 ~ 5VDC	
Analog flow rate output signal	0 ~ 5VDC	
Operating differential pressure	50 ~ 300kPa	
Withstand pressure	1MPa(G)	
Operating temperature	80 ~ 100°C 0 ~ 80% RH	100 ~ 120°C 0 ~ 80% RH
Bake temperature	150°C	
Leak integrity	1×10 <sup>-11</sup> Pa·m <sup>3</sup> /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	