

GAS | Products For Gas Applications

Products For
Gas Applications

Fast Response Mass Flow Controller MC-7000 Series



MASS FLOW CONTROLLER

■ Outlines

- MC-7000 Series: Excels in less than 200msec fast response performance using thermal sensor

■ Features

- Thermal sensor provides less than 200msec fast response
- LINTEC's unique ambient temperature-compensated sensor allows corrosive gas and liquified gas operations
- Guaranteed $\pm 1.0\%$ S.P. flow rate accuracy
- Equipped with metal seal and piezoelectric actuator
- Available with both DeviceNet™ and EtherCAT® digital interfaces

CE RoHS

Model	MC-7100C	MC-7200C	MC-7100D	MC-7200D
Flow rate in Nitrogen (Full scale)	10 ~ 5,000SCCM	~ 20SLM	10 ~ 5,000SCCM	~ 20SLM
Flow rate control range	2 ~ 100% F.S.			
Valve operation mode	Normally open, Normally closed			
Accuracy	100% F.S. ~ 25% F.S. $\pm 1.0\%$ S.P. 25% F.S. ~ 2% F.S. $\pm 0.25\%$ F.S.			
Repeatability	$\pm 0.2\%$ F.S.			
Response time	0.2sec			
Operating differential pressure	50 ~ 300kPa	100 ~ 300kPa (~ 10SLM) 200 ~ 300kPa (~ 20SLM)	50 ~ 300kPa	100 ~ 300kPa (~ 10SLM) 200 ~ 300kPa (~ 20SLM)
Withstand pressure	1MPa(G)			
Operating temperature	5 ~ 50°C 0 ~ 80% RH			
Leak integrity	1×10^{-11} Pa · m ³ / sec He			
Materials exposed to gas	SUS316L, PCTFE, PTFE			
Seal materials	SUS316L		Au	
Power supply requirement	24VDC			
Mounting position	Free			
Digital interface	EtherCAT®		DeviceNet™	
Control valve actuator	Piezoelectric actuator			
Weight	1.0kg			