

New
product

- ★ Full digital operation
- ★ High performance,
1.125 inch size,
DeviceNet interface
digital MFC
- ★ Surface mount
interface
(SEMI STD.)

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DeviceNet[®]
1.125 inch MFC
MC-5000L



- (1) DeviceNet (ODVA) digital interface
- (2) High performance
(metal seal, piezo valve, high accuracy)
- (3) +24V single power operation
- (4) Surface mount interface
- (5) Patented ambient temperature compensated
flow sensor (U.S. and Japan)
- (6) Selectable interface connection of left or upper
side

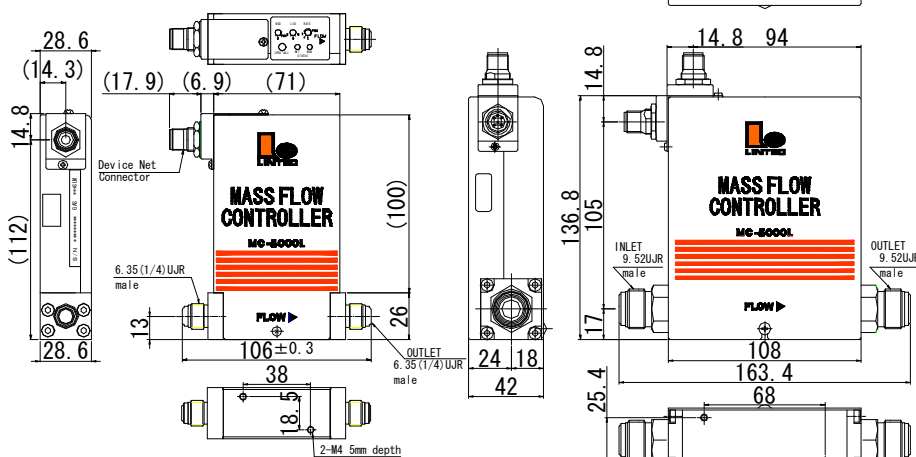


DeviceNet 1.125 inch MFC MC-5000L

SPECIFICATIONS

Model	MC-5100L	MC-5200L	MC-5250L	MC-5460L	MC-5470L	
Standard flow rate in nitrogen (full scale)	5SCCM to 5SLM	10,20SLM	30,50SLM	100, 150SLM	200SLM	
Valve operation mode	MO : Normally open valve		MC : Normally closed valve	MC: Normally closed valve		
Internal surface treatment	Precision Polishing					
Minimum controllable flow rate	2%F.S.					
Accuracy	100%F.S. to 25%F.S. ±1%S.P. 25%F.S. to 2%F.S. ±0.25%F.S.			100%F.S. to 35%F.S. ±1%S.P. 35%F.S. to 2%F.S. ±0.35%F.S.	±1%F.S.	
Repeatability	±0.2%F.S.			±0.5%F.S.		
Response time	1 second (typical)					
Operating differential pressure	50 to 300kPa	MO 50 to 300 kPa(10SLM) 100 to 300 kPa (20SLM) MC 100 to 300 kPa(10SLM) 200 to 300 kPa (20SLM)	100 to 300 kPa (30SLM) 150 to 300 kPa (50SLM)	250 to 500 kPa	300 to 500 kPa	
Maximum operating pressure	300 kPa(G)			500 kPa(G)		
Proof pressure	1MPa(G)					
Temperature coefficient (zero)	±0.02%F.S. /°C			±0.1%F.S. /°C		
Temperature coefficient (span)	±0.02%F.S. /°C	±0.04%F.S. /°C	±0.08%F.S. /°C	±0.1%F.S. /°C		
Operating temperature	5 to 50°C					
Leak integrity	1 × 10 ⁻¹¹ Pa · m ³ /sec He					
Wetted materials	Stainless steel 316L, PCTFE, PTFE, Au			Stainless steel 316L, 304, Teflon, Viton, Au		
Mounting position	Any position					
Control valve actuator	Piezo electric actuator					
Standard fittings	1.125W-seal92, 1.125W-seal79.8, 6.35VCR(106,124)			9.52UJR163.4, 6.35UJR156		
Power supply requirement	11 to 25VDC (5VA max.)					
Digital interface	DeviceNet (SEMI E54 and ODVA SEMI SIG MFC profile)					
Weight	1kg			1.4kg		

DIMENSIONS



Ordering Information

MC - 5100L - NC - 4JR1AAA00-dd-eeff
[1] [2] [3] [4] [5] [6][7]

- [1] Series code
MC-5100L, MC-5200L, MC-5250L,
MC-5460L, MC-5472L
- [2] Valve operation mode
MO: Normally opened valve
MC: Normally closed valve
- [3] Code of fitting size and type
4VR1:6.35VCR106, 4VR2:6.35VCR124
SPW3:1.125W92, SPW4:1.125W79.8
(MC-5460L, MC-5470L)
6JR3:9.52UJR163.4
4JR4:6.35UJR156
- [4] Code of options
AAA00:No options code
- [5] Gas to flow
- [6] Full scale flow rate
- [7] Unit of flow rate
SCCM(Standard cc/min at 0°C 1atm)
SLM(Standard l/min at 0°C 1atm)

*The contents of this brochure are correct as of Nov., 2010.

*For information not included in this brochure, please contact your nearest LINTEC distributor.

*Specifications may be changed without prior notice.

*Before shipping to a third country, consult LINTEC.



Read and understand completely the Operation Manual to secure your safety.