

## High Performance Digital Mass Flow Meter MM-3000L Series



### ■ Outlines

- MM-3000L Series: MC-3000L Series-based highly efficient digital mass flow meter

### ■ Features

- RS-485 digital interface
- LINTEC's unique ambient temperature compensated sensor incorporated
- Highly functional upon installation of microprocessor
- 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

### CE RoHS

Model	MM-3102L	MM-3202L	MM-3252L	MM-3452L	MM-3462L	MM-3472L	MM-3582L
Flow rate in Nitrogen (Full scale)	5 ~ 5,000SCCM	~ 20SLM	~ 50SLM	~ 50SLM	~ 150SLM	~ 250SLM	~ 400SLM
Accuracy	100% F.S. ~ 25% F.S. ±1.0% S.P. 25% F.S. ~ 2% F.S. ±0.25% F.S.			100% F.S. ~ 35% F.S. ±1.0% S.P. 35% F.S. ~ 2% F.S. ±0.35% F.S.		±2.0% F.S.	±3.0% F.S.
Repeatability	±0.2% F.S.			±0.5% F.S.		±1.0% F.S.	
Analog flow rate output signal	0 ~ 5VDC						
Operating differential pressure	400kPa(D)						
Withstand pressure	1MPa(G)						
Temperature coefficient	Zero	±0.02% F.S. / °C			±0.1% F.S. / °C		
	Span	±0.02% F.S. / °C	±0.04% F.S. / °C	±0.08% F.S. / °C	±0.1% F.S. / °C		
Operating temperature	5 ~ 50°C 0 ~ 80% RH						
Leak integrity	1 × 10 <sup>-11</sup> Pa · m <sup>3</sup> / sec He						1 × 10 <sup>-8</sup> Pa · m <sup>3</sup> / sec He
Materials exposed to gas	SUS316L			SUS316L, Teflon®, Viton®			
Seal materials	Au						
Power supply requirements	+15VDC±3% 100mA, -15VDC±3% 50mA						
Mounting position	Free						
Analog connector	Dsub 9pin						
Digital interface	RJ45/RS-485						
Weight	1.0kg			1.4kg		2.4kg	