

LIQUID | Products for Liquid Applications

High Performance Mass Flow Meter

LM-3000L Series



Products For
Liquid Applications

MASS FLOW METER

■ Outlines

- LM-3000L Series: High performance digital mass flow meter equipped with mass flow meter for liquid applications
- Operates as a liquid mass flow controller when use in combination with CV-1000 Series or control valve-fitted VU Series

■ Features

- Can also be used as a liquid mass flow controller upon integration of a driving circuit of either piezoelectric actuator or solenoid-actuator
- RS-485 digital interface
- LINTec's original 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

☑ RoHS

Model		LM-3112L	LM-3212L	LM-3412L
Flow rate	C ₂ H ₅ OH conversion	0.1 ~ 1.0g/min	1.0 ~ 6.0g/min	5 ~ 20g/min
	H ₂ O conversion	0.1 ~ 0.2g/min	0.2 ~ 1.0g/min	1 ~ 5.0g/min
Accuracy		±1.0% F.S.		±2.5% F.S.
Linearity		±0.5% F.S.		±1.0% F.S.
Repeatability		±0.5% F.S.		
Analog flow rate output signal		0 ~ 5VDC		
Operating differential pressure		50 ~ 300kPa		
Withstand pressure		1MPa(G)		
Temperature coefficient	Zero	±0.1% F.S. / °C		
	Span	±0.1% F.S. / °C		
Operating temperature		15 ~ 35°C 0 ~ 80% RH		
Leak integrity		1×10 ⁻¹¹ Pa · m ³ / sec He		
Wetted materials		SUS316L		
Seal materials		SUS316L		
Power supply requirements		+15VDC±3% 100mA, -15VDC±3% 200mA		
Mounting position		Free		
Analog connector		Dsub 9pin		
Digital interfaces		RJ45/RS-485		
Weight		800g		