

Piezoelectric Actuator Mass Flow Controller

LM-2000P Series



■ Outlines

- LM-2000P Series: Liquid mass flow sensor equipped, highly efficient digital liquid mass flow meter
- Operating as a liquid mass flow controller when use in combination with VU-206 Series

■ Features

- Can also be used as a liquid mass flow controller upon integration of piezoelectric-actuator driving circuit
- 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

CE RoHS

Model		LM-2102P	LM-2202P
Flow rate	C ₂ H ₅ OH conversion	0.1 ~ 1.0g/min	1.0 ~ 6.0g/min
	H ₂ O conversion	0.1 ~ 0.2g/min	0.2 ~ 1.0g/min
Accuracy		±1.0% F.S.	
Linearity		±0.5% 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		Au	
Power supply requirement		+15VDC±3% 120mA, -15VDC±3% 50mA	
Mounting position		Free	
Analog connector		Dsub 9pin	
Digital interfaces		RJ45/RS-485	
Weight		950g	