

## High Performance Digital Mass Flow Controller LC-3000L Series



### ■ Outlines

- LC-3000L Series: Highly-efficient digital mass flow controller with piezoelectric actuator incorporated within mass flow sensor for liquid applications

### ■ Features

- Operates as a liquid mass flow controller upon installation of piezoelectric actuator
- RS-485 digital interface
- LINTEC's unique ambient temperature-compensated sensor incorporated
- Highly functional upon installation of microprocessor
- Diaphragm valve with small dead volume
- High-speed and high efficiency piezoelectric actuator
- 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		LC-3102L	LC-3202L	LC-3702L
Flow rate	C <sub>2</sub> H <sub>5</sub> OH conversion	0.1 ~ 1.0g/min	1.0 ~ 2.0g/min	~ 30g/min
	H <sub>2</sub> O conversion	0.1 ~ 0.2g/min	0.2 ~ 0.4g/min	~ 15g/min
Flow rate control range		5 ~ 100% F.S.		10 ~ 100% F.S.
Valve operation mode		Normally open		Normally closed
Accuracy		±1.0% F.S.		±2.0% F.S.
Response time		3sec		
Analog flow rate setting signal		0.25 ~ 5VDC		0.5 ~ 5VDC
Analog flow rate output signal		0 ~ 5VDC		
Operating differential pressure		50 ~ 300kPa		
Withstand pressure		1MPa(G)		
Operating temperature		15 ~ 35°C 0 ~ 80% RH	20 ~ 30°C 0 ~ 80% RH	15 ~ 35°C 0 ~ 80% RH
Leak integrity		1×10 <sup>-11</sup> Pa · m <sup>3</sup> / sec He		
Wetted materials		SUS316L, PCTFE	SUS316L, PFA, Ni-Co	
Seal materials		Au		
Power supply requirement		+15VDC±3% 100mA -15VDC±3% 50mA		
Mounting position		Free		Vertically upward for piping and horizontally downward for connector
Analog connector		Dsub 9pin		
Digital interfaces		RJ45/RS-485		
Control valve actuator		Piezoelectric actuator		
Weight		1.0kg		