

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



### ■ Outlines

- LC-3102L-NO: 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 original 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-NO
Flow rate	C <sub>2</sub> H <sub>5</sub> OH conversion	0.1 ~ 1.0g/min
	H <sub>2</sub> O conversion	0.1 ~ 0.2g/min
Flow rate control range		5 ~ 100% F.S.
Valve operation mode		Normally open
Accuracy		±1.0% F.S.
Linearity		±0.5% F.S.
Repeatability		±0.5% F.S.
Response time		3 sec
Analog flow rate setting signal		0.25 ~ 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
Leak integrity		1×10 <sup>-11</sup> Pa · m <sup>3</sup> / sec He
Wetted materials		SUS316L, PCTFE
Seal materials		Au
Power supply requirement		+15VDC±3% 100mA, -15VDC±3% 50mA
Mounting position		Free
Analog connector		Dsub 9pin
Digital interfaces		RJ45/RS-485
Control valve actuator		Piezoelectric actuator
Weight		1.0kg