

Acid Resistance, Metal Free Mass Flow Meter

AM-3000



Products For
Liquid Applications

MASS FLOW METER

■ Outlines

- AM-3102: Liquid mass flow meter equipped with metallic part-excluded wetted materials
- Operates as a liquid mass flow controller when use in combination with CV-1000 Series
(Noted that metal-composed wetted materials are used in CV-1000 Series)

■ Features

- Exclusion of metallic parts from the wetted materials makes strong acid handling possible
- 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	AM-3102
Flow rate (H ₂ O Conversion)	0.2 ~ 1.0g/min
Accuracy	±1.0% F.S.
Linearity	±0.5% F.S.
Repeatability	±0.2% F.S.
Analog flow rate output signal	0 ~ 5VDC
Operating differential pressure	50 ~ 300kPa
Withstand pressure	500kPa(G)
Temperature coefficient	±0.1% F.S. / °C
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Operating temperature	15 ~ 35°C 0 ~ 80% RH
Leak integrity	1×10 ⁻⁶ Pa · m ³ / sec He
Wetted materials	PFA, Amorphous carbon
Seal materials	Kalrez®
Power supply requirement	+15VDC±3% 150mA, -15VDC±3% 100mA
Mounting position	Free
Analog connector	Dsub 9pin
Digital interfaces	RJ45/RS-485
Weight	650g