

## Liquid Mass Flow Meter

# LM-2100A-BP

液体用マスフローメータ



### 特長

LM-2100A-BPは、各種液体材料の高精度流量計測を実現した、液体用マスフローメータです。

当社独自の熱式マスフローセンサ(特許出願中)を採用、電子回路はデジタル化され、高速、高精度の流量計測が可能です。

バイパスを用いることにより、LM-2100A-BPの最大流量はLM-2100Aと比較し、広範囲になっています(エタノール 150g/min)。

コントロールバルブ(CV series)との組み合わせにより、高精度の流量制御が可能です。

加えて、当社独自の気化器(VU series)との組み合わせにより、高速、高精度の液体気化供給が可能です。

### 用途

各種薬液、有機溶媒、有機化合物溶液、高純度水等の流量計測。

コントロールバルブ(CV series)との組み合わせによる、各種液体の流量制御。

気化器(VU series)との組み合わせによる、各種液体の流量制御および気化。

### Features:

The LM-2100A-BP liquid mass flow meter measures various liquid material flow rates with high precision.

LINTEC's patented original thermal mass flow sensor is incorporated for measuring flow rate. Digital circuitry provides high-speed reliable flow rate measurement.

By using a bypass the maximum flow rate of the LM-2100A-BP compared with the LM-2100A has been increased (ethanol 150g/min equivalent).

Combined with the flow rate control valve CV series, high precision liquid flow rate control is possible.

In addition, combination with LINTEC's original vaporizer VU series makes high precision and high speed vaporization possible.

### Applications:

Measurement of various liquids such as chemicals, organic solvents, liquid organic compounds or de-ionized water etc.

Flow rate control of various liquids when used in combination with flow rate control valve CV series.

Flow rate control and vaporization when used in combination with vaporizers.



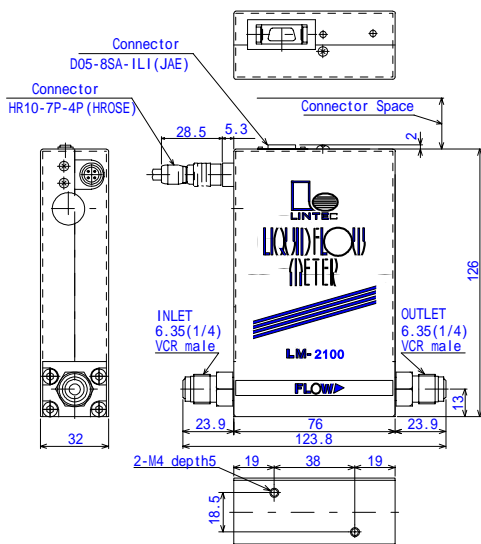
# LM-2100A-BP

液体用マスフローメータ

## SPECIFICATIONS

Model LM-2100A-BP

Item	Units	Specifications
Flow rate range (Full scale) Ethanol equivalent	g/min	20, 50, 100, 150
Accuracy	%F.S.	± 2.5
Linearity	%F.S.	± 1.0
Repeatability	%F.S.	± 0.5
Pressure capacity	kPa	1000
Operation temperature		15-35
Temperature coefficient	%F.S./	Zero 0.2 Span 0.2
Leak integrity	Pa · m <sup>3</sup> /sec	1 × 10 <sup>-11</sup>
Materials exposed to fluids	Body Seals Flow sensor	SUS-316L Au SUS-316L
Standard fittings	Inlet Outlet	6.35mm VCR Male 6.35mm VCR Male
Flow rate command	Volts DC	0-5
Flow rate output	Volts DC	0-5
Power supply requirements		+ 15V, 100mA - 15V, 200mA
Alarm display	Normal Condition change Abnormal	Green LED flash Red LED flash Red LED continuous on
Zero adjustment		Zero switch and auxiliary input
Digital communication	Digital interface Alarm output Zero adj. Input Preset input	RS-232C Open collector output Possible Possible
Connector and cable	Main connector Communication Cable (Optional)	D05 8 pin CC-DOSF (D-SUB 9 pin) CC-T2 (D-SUB 25 pin)
Mounting direction		Horizontal
Weight	g	1000
Optional	LEP CP PT	Surface polishing Anti-corrosive plating Pt Seal



## ORDERING INFORMATION

### LM-2100A-BP-AA-BB-CC-DD

AA: Option

LEP (Surface polishing)  
CP (Anti-corrosive plating)  
PT (Pt Seal)

BB: Fitting

6.35mm VCR Male etc.

CC: Liquid to flow

DD: Flow rate (g/min F.S.)

Please inform us of the type or types, and chemical properties of the liquids you intend to use.  
For specialized liquids, if the customer can provide LINTEC with a sample of the liquid,  
a flow rate calibration can be carried out for a fee.  
Some liquids cannot be accepted by LINTEC.  
For information on specifications not included in this catalog or for other matters  
please contact LINTEC's sales representative.  
This catalog is valid as of May 10, 2001.  
Changes in specifications may be made without prior notice.  
Before shipping to a third country, consult LINTEC.

**WARNING!** Read and understand completely the Operation Manual to secure your safety.

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