

# LINTEC

MASS FLOW CONTROLLER

## MC-1000P Series



### Features

- Mass Flow controller which is pressure insensitive to reduce pressure effect.
- By equipping MGMR function. It contributes to the total cost of ownership.
- High precision and high response; High-end model makes it possible.

( RoHS )

## Specification table

Model	MC-1102P	MC-1202P	MC-1252P
Flow rate in Nitrogen (Full scale)	Bin1:N2 to Bin5:N2 10SCCM to 3SLM	Bin6:N2 to Bin7:N2 3.001SLM to 30SLM	Bin8:N2 to Bin9:N2 30.001SLMto50SLM
Valve operation mode	NO,MO :Normally open    NC,MC: Normally closed		
Internal surface treatment	NO,NC: No treatment    MO,MC :Precision polishing		
Flow rate control range	2 to 100% F.S.		
Analog flow rate setting signal	Proportional to flow rate    0 to 5VDC		
Analog flow rate output signal	Proportional to flow rate    0 to 5VDC		
Accuracy	100% to 25%:±1% S.P., 25% to 2%:±0.25% F.S. (15 to 35 °C for guaranteed accuracy)		
Repeatability	±0.2%F.S.		
Response time	≤1.0 sec		
Operating differential pressure(kPaD)	50 to 300kPa	100 to 300kPa	200 to 300kPa
Maximum operating pressure	400kPa(G)		
Withstand Pressure	1MPa(G)		
Temp. coefficient (Reference Temp. 25)	Span	±0.1%F.S./°C	
	Zero	±0.1%F.S./°C	
Operating temp. / Humidity	5~50°C • 0~80%RH		
Leak integrity	1×10 <sup>-11</sup> Pa • m <sup>3</sup> /sec He		
Mounting direction	Free		
Materials exposed to gas	SUS316L, PTFE, Hastelly ,Magnetic stainless		
Seal materials	SUS316L		
Actuator	Solenoid actuator		
Fittings	1.125W, 1.5W, 6.35UJR124mm		
Power supply	+15VDC±3%:100mA    -15VDC±3%:200mA		
Digital interface	RS-485 (RJ-11) 2-wire Maximum connection127unit		
Weight	Approx. 1kg		

## MGMR corresponding Chart

MGMR No.	Bin No.	Flow rate range in Nitrogen
R1	Bin1	10 to 30SCCM
R2	Bin2	31 to 100SCCM
R3	Bin3	101 to 300SCCM
R4	Bin4	301 to 1000SCCM
R5	Bin5	1.001 to 3SLM
R6	Bin6	3.001 to 10SLM
R7	Bin7	10.001 to 30SLM
R8	Bin8	30.001 to 50SLM



Read and understand completely the operation manual to secure your safety.

- The contents of this brochure are correct as of Dec.,2014.
- For information not included in this brochure, please contact your nearest LINTEC distributor.
- Specifications may be changed without prior notice.
- Before shipping to a third country, consult LINTEC.



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## Ordering information

**MC-1102P-NC-4JR2A0A0A0-R4-GAS-RANGE**  
[1] [2] [3] [4] [5] [6] [7] [8]

### [1]Type

MC : Mass flow controller

### [2]Series

MC-1102P MC-1202P MC-1252P

### [3]Valve operation mode

NC : Normally closed

MC : Normally closed (precision polishing)

NO : Normally open

MO : Normally open (precision polishing)

### [4]Fitting size and type

Ex) 6.35(1/4" )mm UJR 124mm

「4JR2」 4 : 6.35mm

JR2 : 6.35mm UJR (124mm)

SPW3 : 1.125" W-seal (92mm)

SPW2 : 1.5" W-seal (92mm)

### [5]Other options

Default setting is labeled "A0A0A0"

Please consult us for more information.

### [6]MGMR No.

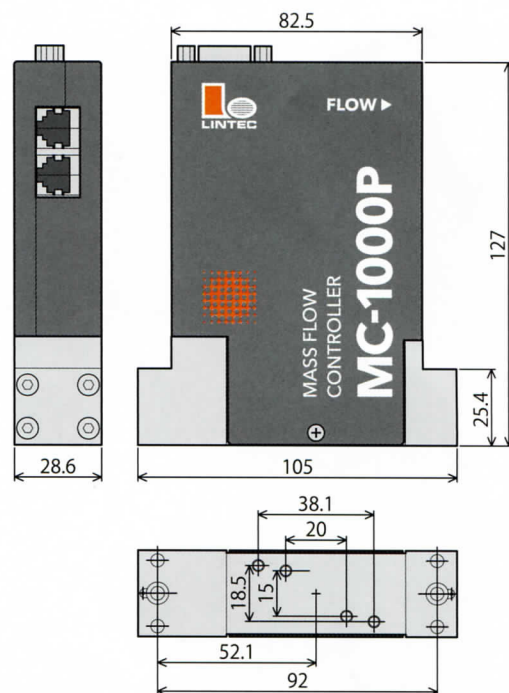
Please refer to the table on the left hand side.

### [7]Gas type

### [8]Full-scale flow rate and unit

SCCM (0°C 1 atm), SLM (0°C 1 atm)

## Dimensions



[Distributor]

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