

# LINTEC

MASS FLOW CONTROLLER

## MC-10 Series



### Features

- 10SCCM~50SLM rubber sealed model.
- Short lead time model. It contributes for Total cost of ownership.
- Optional equipment for Digital transmission (RS-485) / Variable range function.  
Good for inventory reduction. (RoHS)

## Specification table

Mass Flow Controller	MC-10RC	MC-11RC
Flow rate (N <sub>2</sub> conversion)	10SCCM~5SLM	6~50SLM
Valve operation mode	Normally closed	
Minimum flow rate control	2% of Full scale	
Analog flow rate setting signal	Proportional to flow rate 0.1~5VDC	
Analog flow rate output signal	Proportional to flow rate 0~5VDC	
Accuracy	±1.0%F.S.	
Response time	±0.2%F.S.	
Operating differential pressure (kPaD)	50~300	100~300(~30SLM) 150~300(31SLM~)
Maximum operating pressure	300kPa(G)	
Pressure resistance	1MPa(G)	
Operating temp./ Humidity	15 ~ 35 °C · 0 ~ 80 %RH ( without dew)	
Leak integrity	1 × 10 <sup>-8</sup> Pa · m <sup>3</sup> /sec He	
Storage temp./ Humidity	0 ~ 60 °C · 0 ~ 80 %RH ( without dew)	
Mounting direction	Free	
Materials exposed to gas	SUS316L, PTFE, Magnetic stainless	
Seal materials	Viton	
Fittings	6.35mm(1/4" ) SWL (127mm)	
Power supply	±15VDC (+15V 100mA, -15V150mA)	±15VDC (+15V 100mA, -15V200mA)
Analog interface connector	9pin D-sub Connector (Screw lock M3)	
Control valve actuator	Solenoid acuator	
Weight	≒1.2 kg	

## Full scall flow rate

		Flow rate										
		01	02	03	04	05	06	07	08	09	10	11
50										0.50		0.50
30										1.00		1.00
20										0.50	1.50	1.50
10									0.50	1.00		
8										1.25		
5						0.60			1.00			
4									1.25			
3						1.00						
2						0.50	1.50					
1000	1					0.50	1.00					
800							1.25					
500						0.60	1.00					
400							1.25					
300						1.00						
200						0.50	1.50					
100				0.50		1.00						
80				1.25								
50			0.60	1.00								
40			1.25									
30			1.00									
20		2.00	1.50									
10		1.00										
SCCM	SLM	01	02	03	04	05	06	07	08	09	10	11
Unit		VR No.										

## Ordering information

MC-10RC-4SWL A0A0A0-06-N2-1SLM  
[1] [2] [3] [4] [5] [6] [7]

### [1]1\*RC

\*It depends on the flow rate.

「0」: N<sub>2</sub> 5SLM or below

「1」: N<sub>2</sub> 6SLM or over、50SLM or below

### [2]Fitting size

Ex) 6.35(1/4" )mm SWL

「4SWL」 4 : 6.35mm

### [3]Fitting type

SWL : 6.35mm SWL

(127mm)

VR2 : 6.35mm VCR

(124mm)

### [4]Other options

Default setting is labeled "A0A0A0"

Please consult us for more information.

### [5]Flow rate

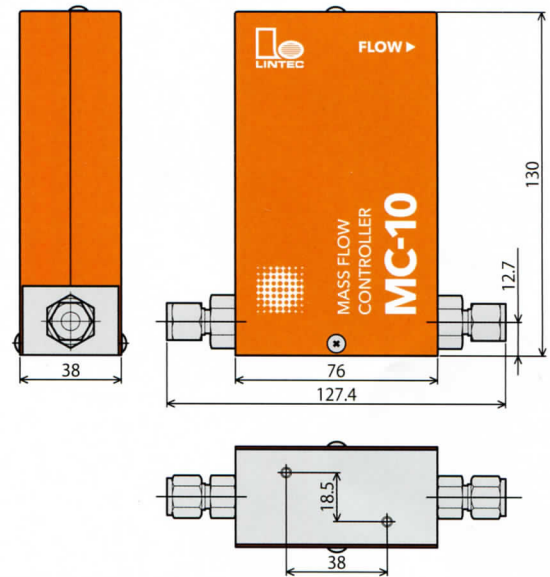
Please refer to the table on the left hand side.

### [6]Gas type

### [7]Full-scall flow rate and unit

SCCM (0°C 1 atm), SLM (0°C 1 atm)

## Dimensions



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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