

LINTEC

MASS FLOW CONTROLLER

MC-10 Series



FEATURES

- 10SCCM to 150SLM 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	MC-12RC
Flow rate (N ₂ conversion)	10SCCM to 5SLM	6 to 50SLM	100, 150SLM
Valve operation mode	Normally closed		
Minimum flow rate control	2% of Full scale		
Analog flow rate setting signal	Proportional to flow rate 0.1 to 5VDC		
Analog flow rate output signal	Proportional to flow rate 0 to 5VDC		
Accuracy	±1.0%F.S.		
Response time	1 SEC		20%<S.P.≤100% 1SEC 2%<S.P.≤20% 3SEC
Operating differential pressure (kPaD)	50 to 300	100 to 300(≤30SLM) 150 to 300(>30SLM)	250 to 500
Maximum operating pressure	300kPa(G)		500kPa(G)
Pressure resistance	1MPa(G)		
Operating temp. / Humidity	15 to 35 °C · 0 to 80 %RH (without dew)		
Leak integrity	1×10 ⁻⁸ Pa · m ³ /sec He		
Storage temp. / Humidity	0 to 60 °C · 0 to 80 %RH (without dew)		
Mounting direction	Free		
Materials exposed to gas	SUS316L, PTFE, Magnetic stainless		
Seal materials	Viton		
Fittings	6.35mm(1/4") SWL type		9.52mm(3/8")SWL type
Power supply	±15VDC (+15V 100mA, -15V150mA)	±15VDC (+15V 100mA, -15V200mA)	±15VDC (+15V 150mA, -15V200mA)
Analog interface connector	9pin D-sub Connector (Screw lock M3)		
Control valve actuator	Solenoid actuator		
Weight	≒1.2 kg		≒1.7 kg

Full scale flow rate

		Flow rate											
SCCM	SLM	01	02	03	04	05	06	07	08	09	10	11	12
	150												0.50
	100												0.75
	50												0.50
	30												1.00
	20								0.50	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		0.50	1.50										
10		1.00											
Unit		VR No.											



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



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Ordering information

MC-10RC-4SWL A0A0A0-06-N2-1SLM

[1] [2] [3] [4] [5] [6] [7]

[1]*RC

*It depends on the flow rate.

「0」: N₂ 5SLM or below

「1」: N₂ 6SLM or over, 50SLM or below

「2」: N₂ 50SLM or over, 150SLM or below

[2]Fitting size

Ex) 6.35(1/4")mm SWL type

「4SWL」 4 : 6.35mm

[3]Fitting type

SWL : 6.35mm SWL type/SW4 : 9.52mm SWL type

(MC-10/11 : 127mm) (MC-12:162.2mm)

VR2 : 6.35mm VCR type/VR4 : 9.52mm VCR type

(MC-10/11 : 124mm) (MC-12 : 163.4mm)

[4]Other options

Default setting is labeled "A0A0A0"

Please consult us for more information.

[5]Flow rate

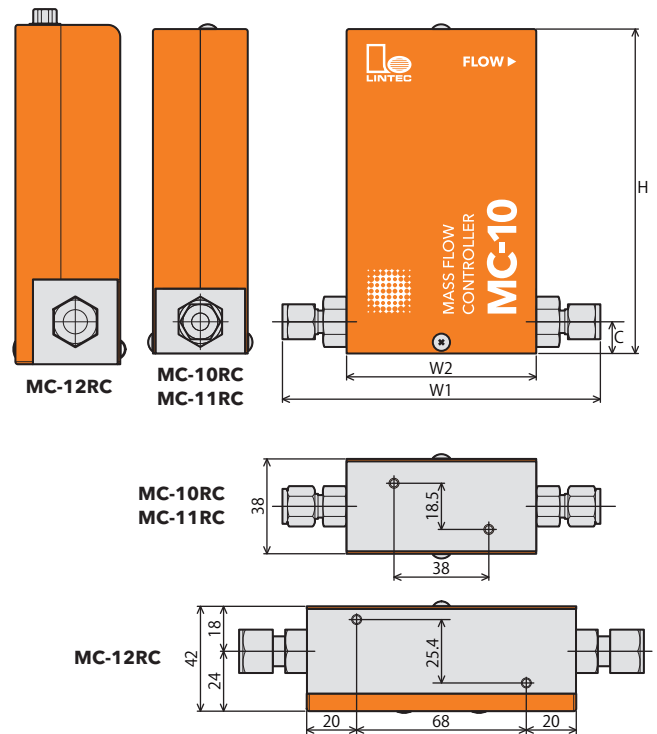
Please refer to the table on the left hand side.

[6]Gas type

[7]Full scale flow rate and unit

SCCM (0°C 1 atm), SLM (0°C 1 atm)

Dimensions



	H	W1	W2	C
MC-10RC MC-11RC	130	127.4	76	12.7
MC-12RC	136	162.2	108	17

Contents of this brochure are corrected as of Feb., 2017.

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.

[Distributor]