

Mass Flow Control / Measurement Unit

CUBEMFC



Features

- Compact and lightweight integral unit
- Easy flow Measuring / Controlling
- Flow rate display and setting functions
- SET / OUT switching function
- External output terminals are provided on the rear



*Can be used both horizontally and vertically

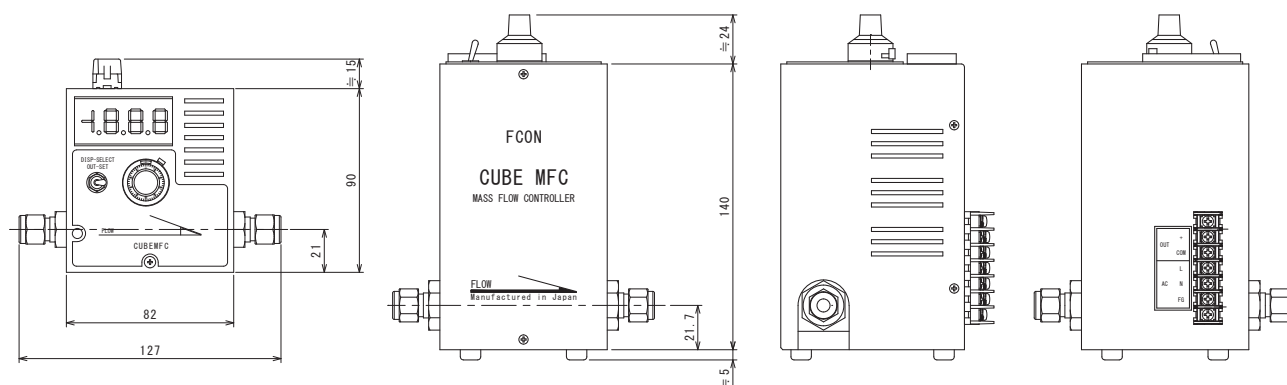
Specification

Model	CUBEMFC1005
Gases	Most gases (e.g., air, nitrogen, carbon dioxide, argon, hydrogen, helium, methane, oxygen)
Valve type	Normally Open
Flow range*	10SCCM-5SLM
Flow rate control range	5-100% F. S.
Accuracy	±2%F. S. (Accuracy guaranteed between 15-35°C)
Repeatability	±0.2%F. S.
Response speed	less than 6sec
Operating differential pressure	50-300kPa
Pressure Resistance	1MPa (G)
Leak Integrity	1×10 ⁻⁷ Pa·m ³ /sec (He)
Operating temperature	5-50°C less than 85% RH
Wetted surface material	SUS316, PTFE, Fluoro-Rubber
Seal material	Fluoro-Rubber
Setting signal	0.25-5VDC
Output signal	0-5VDC
Standard fitting**	1/4in. SWL (equivalent), One-touch fittings
Mass flow control	10-turn potentiometer
Display	Instantaneous flow: 4 digits
Input power	AC85-264V
Output terminal	Setting signal / Output signal : 0-5VDC

* At FCON, flow rates (SCCM, SLM) are converted to values at 0°C, 101.3kPa abs (1atm) for calibration.

** For other fitting, please contact us.

Dimensions



Face to face dimensions

1/4in. SWL (equivalent) : 127mm
One-touch fittings : 137mm

• External output terminals are provided on the rear

Ordering

CUBEMFC 1005 – 4F2 – 1L – N2

1 2 3 4

1. Series

1005 : 10SCCM - 5SLM

3. Full scale

Example : 50 (50SCCM)
Example : 5L (5SLM)

*Consult factory for other fittings.

2. Fitting*

4S2 : 1/4in. SWL (equivalent)
KQ2 : One-touch fittings

4. Gas types

Example : N2