

Mass Flow Control / Measurement Unit

CUBE MFC



《Features》

- Compact and lightweight integral unit.
- Easy flow measuring and controlling
- Flow rate display: Display (SET / OUT selector switch)
- Output voltage (0 - 5 VDC) output terminal is at the back of the unit as standard set up.
- Upon request, Calibration certificate, Calibration report, and Traceability scheme can be prepared with additional charges.

Option: Possible to manufacture a flow rate accuracy of $\pm 1\%$ F.S.

【Specification】

Model : Controller (N.O)	CUBE MFC 1005/1020/1030/1050/1100
Model : Controller (N.C)	CUBE MFC 1005NC (※ under development : 1020NC/1030NC/1050NC)
Model : Meter (M)	CUBE MFM 1005/1020/1030/1050
Mass Flow Controller (*1)	1000 series
Flow range	10 SCCM~100 SLM
Operating temperature	5~50°C (Accuracy guaranteed between 15~35°C)、 $\leq 85\%$ RH (No condensation permitted)
Standard fitting	1/4in.SWL (equivalent), One-touch fittings, ※ For other fitting, please contact us.
Setting signal/Mass flow control	0.25~5 VDC 10-turn potentiometer
Output signal	0~5 VDC
Flow rate setting / output display	0~100% (*2)
Display switching (setting / output)	Toggle Switch
Output terminal	Setting signal/Output signal : 0~5 VDC
Input power	AC100-240 V

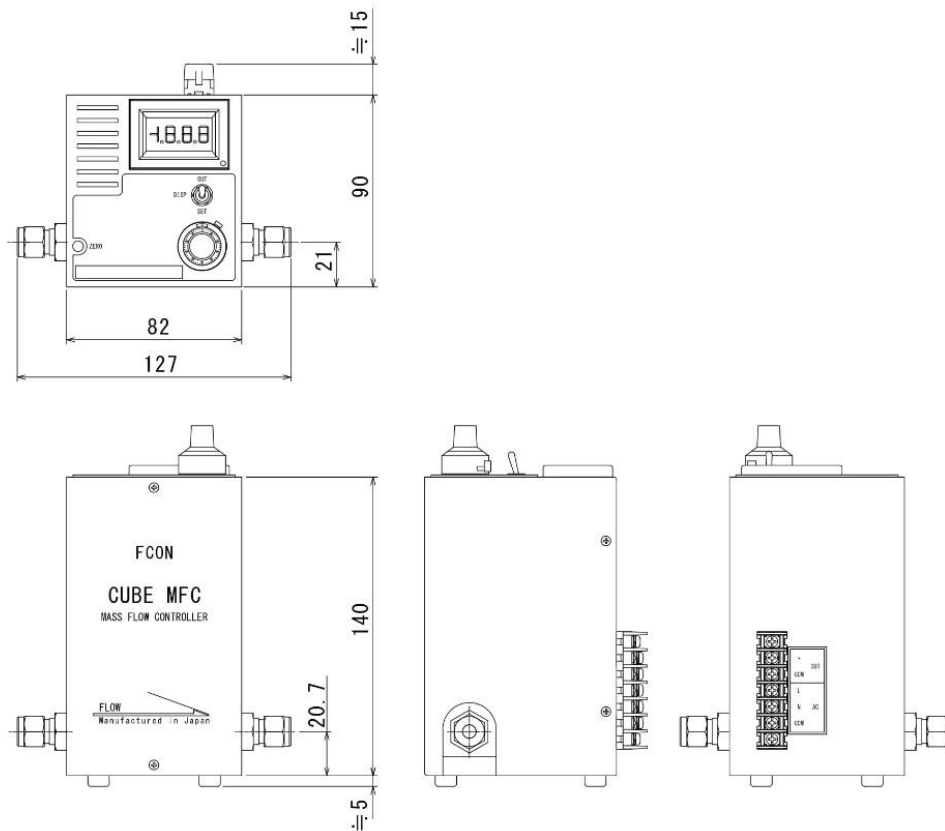
*1. Mass flow controller is conform to 1000 series specification.

*2. Flow rate display setting changes is possible.



Can be used both horizontally and vertically

«Dimensions»



All dimensions are in inches with [mm] in brackets

«Ordering»

CUBE MF C 1005 NC – 4S2 – 1L – N2 (e.g.)

① ② ③ ④ ⑤ ⑥

① Type C:Controller M:Meter

② Flow range 1005(10 SCCM~5 SLM) 1020(10~20 SLM) 1030(30 SLM)
1050(50 SLM) 1100(100 SLM)

③ Valve type w/o: Normally open NC: Normally closed (1100 not covered)

④ Fitting 4S2 1/4inch.SWL(equivalent) KQ2 One-touch fittings

⑤ Full scale (*1) e.g. :50→50 SCCM 5L→5 SLM

⑥ Gas types (*2) N2, Air, Ar, O2, H2, He, CO2 etc.

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

Please specify separately if you wish to calibrate at 20 °C or 25 °C.

*2. Gas type is an example; please contact us for other gases.