MASS FLOW METERS

TMF SERIES With or Without LCD Display



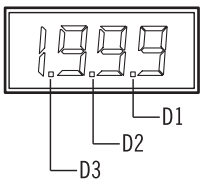
±1% Accuracy
Linear Output
Thermal Technology
For Using in Non Corrosive Gas
For Flow Rates up to 200 SLM
Power Supply Included

The NEW-FLOW Thermal Mass Flow Meters provide high performance.Thermal Technology offers advantages in accuracy, sensitivity and turn quality components and the latest technology are combined to provide reliable, compact meters and controllers. The TMF Series comes with or without an LCD display, and all models come with linear 0-5 VDC and 4-20 mA output. The TMF Series measures the mass flow rate of gases in 3 ranges from 0-100 SLM to 0-200 SLM as shown in the range table.

Technical Data

Wetted Material: Standard flowbody–SS316; option available.
O-ring–Viton
Output Signal: 0-5 VDC Linear min. load 1000Ω or 4-20 mA Linear, loop resistance 500Ω
Input Power: 24 VDC standard; optional power supply 15 VDC 115 VAC, 220 VAC @500mA
Accuracy: ±1% FS (including linearity)
Turn Down Ratio: 100:1
Repeatability: ±0.15% FS or better
Electric Connection: 9 Pin Sub "D"
Process Connection: ½"NPT female
Range: 0-100 SLM to 0-200 SLM
Minimum Pressure: 100" H_2O
Max Pressure: 500 psig
Temperature Range: 0~50°C
Response Time: 1 Second
Temp. Coefficient: 0.05% Full Scale per 1°C or better
Pressure Coefficient: 0.01% Full Scale per PSIG or better
Weight: app. 1.64 kg with power supply

Display Digital Decimal Point Function



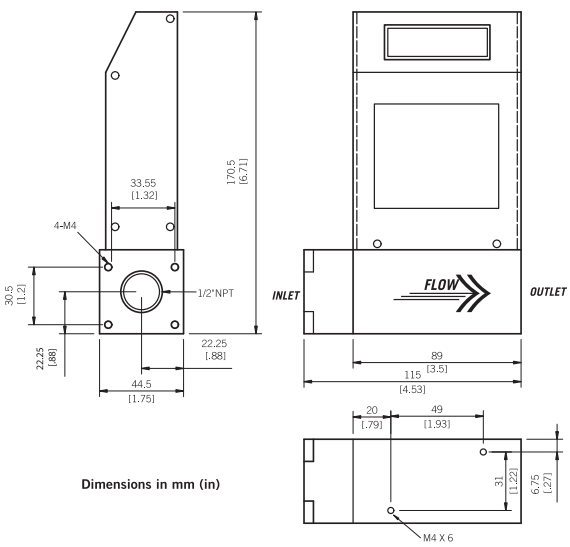
Range	Decimal Point
0 ~ 1.999	D3
2.00 ~ 19.99	D2
20.0 ~ 199.9	D1
200 ~ 1999	None

Range Table

Code	SLM
00	0-100
01	0-150
02	0-200
03	*Custom Flow Rate

Note. *Please notice that the max. flow range is 200 SLM.

Dimensions



Ordering Information

TMF	Code	Flow Range				
	00	0-100 SLM	01	0-150 SLM	02	0-200 SLM
	03	*Custom size (please directly fill in the requested range.)				

Code	Wetted Material
	(A) SS316 (0) Option

Code	Process Connection
1	½" NPT (F)

Code	Display		
W	With display	0	Without display

Code	Output Signal
	(1) 0-5VDC (2) 4-20 mA

Code	Input Power
	(1) 24VDC (2) 15VDC

Code	Power Supply for 24vdc
	(1) with (2) without

TMF							