MASS FLOW METERS

With or Without LCD Display

THF SERIES

±1% Accuracy
Linear Output
Thermal Technology
For Using in Non Corrosive Gas
For Flow Rates up to 500 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 THF Series comes with or without an LCD display, and all models come with linear 0-5 VDC and 4-20 mA output. The THF Series measures the mass flow rate of gases in 4 ranges from 0-250 SLM to 0-500 SLM as range table.

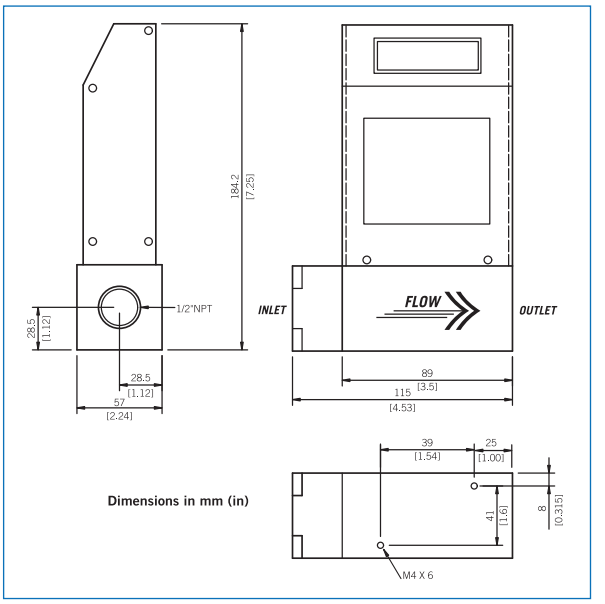
Technical Data

Wetted Material:
Standard flowbody– 316 Stainless Steel,
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% F.S (including Linearity)
Turn Down Ratio: 100:1
Repeatability: +/- 0.15% F.S or better
Electric Connection: 9 Pin Sub "D"
Process Connection: 1/2" NPT Female
Range: 0-250 SLM to 500 SLPM
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. to 2.45 kg with power supply

Range Table

Code	SLM
00	0-250
01	0-300
02	0-400
03	0~500
04	Custom Flow Rate

Dimensions



Ordering Information

THF	Code	Flow Range		
	00	0-250 SLM	02	0-400 SLM
	01	0-300 SLM	03	0-500 SLM
	04	Custom size (Please directly fill in the requested range)		

Code	Wetted Material
	(A) SS316 (O) 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

THF