



TSF

MASS FLOW METERS

With or Without LCD Display

TSF SERIES

±2% Accuracy

Linear Output

Thermal Technology

For Using in Non Corrosive Gas

For Flow Rates up to 1500 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 TSF Series comes with or without an LCD display, and all models come with linear 0-5 VDC and 4-20 mA output. The TSF Series measures the mass flow rate of gases in 4 ranges from 0-750 SLM to 0-1500 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: +/- 2% F.S (including Linearity)

Trun Down Ratio: 100:1

Repeatability: +/- 0.15% F.S or better

Electric Connection: 9 Pin Sub "D"

Process Connection: 1" NPT Female

Range: 0-750 SLM to 1500 SLM

Minimum Pressure: 100"H₂O

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 6.5kg with power supply

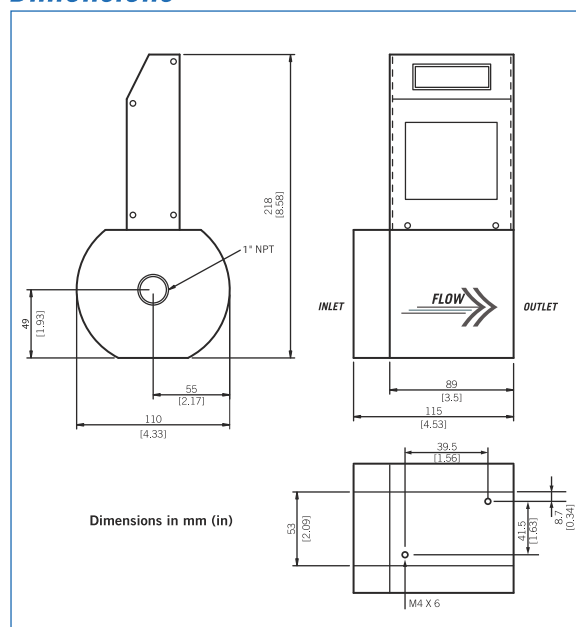
Range Table

Code	SLM
00	0-750
01	0-1000
02	0-1250
03	0~1500
04	*Custom Flow Rate

Note. *Please notice that the max. flow range is 1500 SLM.



Dimensions



Ordering Information

TSF	Code	Flow Range
	00	0-750 SLM
	01	0-1000 SLM
	02	0-1250 SLM
	03	0-1500 SLM
	04	*Custom size (please directly fill in the requested range.)
	Code	Wetted Material
		(A) SS316 (O) Option
	Code	Process Connection
	1	1" NPT (F)
	Code	Display
	W	With display
	O	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

FLOW