MASS FLOW METERS EXPLOSION PROOF TYPE

THE STATES - WITH LCD DISPLAY

±2% Accuracy Linear Output Thermal Technology For Using In Non Corrosive Gas For Flow Rates up to 100 SLM Power Supply Included

The NEW-FLOW ETSF Series-Explosion proof type thermal mass flow meter 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 ETSF Series comes with and LCD diplay, and all models come with linear 0-5VDC and 4~20mA output.

The ETSF Series measures the mass flow rate of gases in 23 ranges from 0-10 SCCM to 0-100 SLM as range table.

Technical Data

Wetted Parts Material: Standard flowbody– 316 Stainless steel;

option availble. O-Ring: Viton or FFKM available Output Signal: 0-5 VDC Linear min. load 1000Ω or 4-20mA Linear, loop resistance 500Ω

Input Power: 24 VDC Standard, optional power supply

15 VDC 115VAC, 220 VAC @500mA **Accuracy:** ±2% F.S (including Linearity)

Turn Down Ratio: 100:1

Repeatability: $\pm 0.15\%$ F.S or better Electric Connection: 9 Pin Sub "D"

Process Connection: 1"NPT female; Flange type available

Range: 0-10 SCCM to 0-100 SLM Minimum Pressure: 100" H20 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 6.5 kg with power supply

Range Table

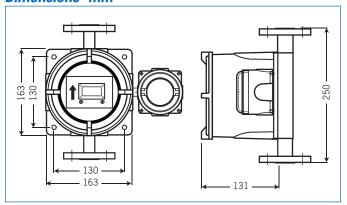
Code	SCCM	Code	SLM	Code	SLM
00	0-10	06	0-1	14	0-35
01	0-20	07	0-2	15	0-40
02	0-50	08	0-5	16	0-45
03	0-100	09	0-10	17	0-50
04	0-200	10	0-15	18	0-55
05	0-500	11	0-20	19	0-60
		12	0-25	20	0-65
		13	0-30	21	0-70
				22	0-75
				23	0-100
				24	*Custom Flow Rate

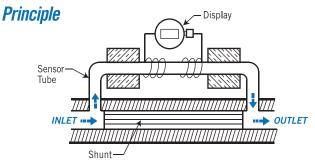
NOTE.

*Please noteice that the max. flow rate is 100 SLM.



Dimensions-mm





Ordering Information

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ETSF	Code	Flow Range										
	00~23	Please refer to the measure range table.										
	24	*Custo	*Custom range (please directly fill in the requested range)									
		Code	Wette	ted Parts Material								
			(A) SS	316 (Vit	316 (Viton o-ring) (B) SS316 (FFKM o-ring) (O) opion							
			Code	Proces	ess Connection							
			1	1"NPT	(F)	O Option (Flange type available)						
				Code	Display							
				W	With display							
				В	With display + Blue back-lighted							
				0	Without display							
					Code	Code Output Signal						
						(1) 0~5VDC (2) 4~20mA						
						Code	Code Input Power					
							(1) 24	VDC (2) 15VDC				
							Code	Power Supply for 24VDC				
							(1)	with				
							(2)	without				
•	\psi	V	*	\	\	\	*					
ETSF												