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MASS FLOW METERS EXPLOSION PROOF TYPE

TSF SERIES - 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

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: ±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

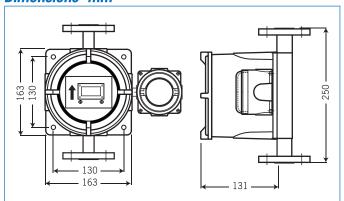
Code	SCCM	Code	SLM	Code	SLM
00	0-10	06	0-1	14	0-35
01	0-20	07	0-2	15	0-40
02	0-50	08	0-5	16	0-45
03	0-100	09	0-10	17	0-50
04	0-200	10	0-15	18	0-55
05	0-500	11	0-20	19	0-60
		12	0-25	20	0-65
		13	0-30	21	0-70
				22	0-75
			23		0-100
				24	*Custom Flow Rate

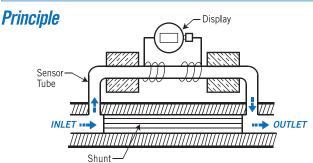
NOTE.

max. flow rate is 100 SLM.



Dimensions-mm





Ordering Information

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ETSF	Code	Flow	Flow Range							
	00~23	Pleas	Please refer to the measure range table.							
	24	*Cust	*Custom range (please directly fill in the requested range)							
		Code	Wette	d Parts I	Material					
			(A) SS	316 (O) opion						
		Т	Code	Proces	s Connection					
			1	1"NPT	Γ(F)	O Option (Flange type available)				
				Code	Display					
				W	With display					
				В	With display + Blue back-lighted					
				0	Without display					
					Code	Output	utput Signal			
						(1) 0~	5VDC (2) 4~20mA			
						Code	Input	Input Power		
							(1) 24	(1) 24VDC (2) 15VDC		
							Code	Power Supply for 24VDC		
							(1)	with		
							(2)	without		
*	\ \	\	\ \	\	\	\	\			
ETSF										