

MASS FLOWMETER WITHOUT DISPLAY MAX 100 lmin Serie ULF

±1% Accuracy
Linear Output
Thermal Technology
For Using in Non Corrosive Gas
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 ULF Series comes an without an LCD display, and all models come with linear 0-5 VDC and 4-20 mA output. The ULF Series measures the mass flow rate of gases in 23 ranges from 0-10 SCCM to 0-100 SLM as shown in the range table.

Technical Data

Wetted Material: Standard flowbody—SS316; Tapcon; option available.

O-ring: Viton or FFKM available

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: 1/4"NPT female

Range: 0-10 SCCM to 0-100 SLM

Minimum Pressure: 40" H₂O

Max Pressure: SS316—500 psig; Tapcon—250 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

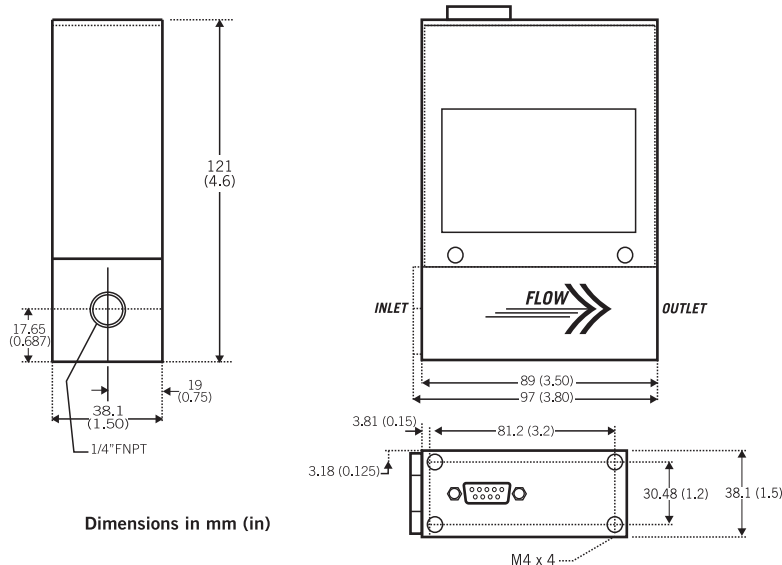
Weight: app. 1.08 kg with power supply



Approvals:



Dimensions



Range Table

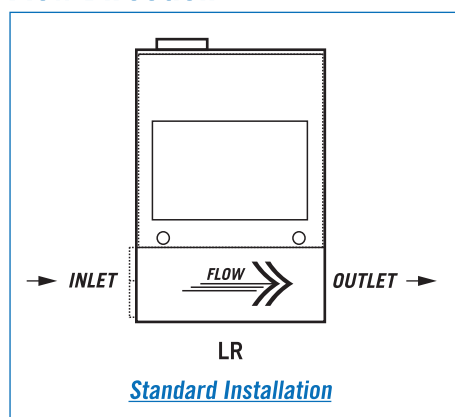
Code	SCCM	Code	SLM	Code	SLM
00	0-10	06	0-1	14	0-35
01	0-20	07	0-2	15	0-40
02	0-50	08	0-5	16	0-45
03	0-100	09	0-10	17	0-50
04	0-200	10	0-15	18	0-55
05	0-500	11	0-20	19	0-60
		12	0-25	20	0-65
		13	0-30	21	0-70
				22	0-75
				23	0-100
				24	*Custom Flow Rate

Note. *Please notice that the max. flow rate is 100 SLM.

Ordering Information

ULF	Code	Flow Range	
	00~23	Please refer to the measure range table.	
	24	*Custom range (please directly fill in the requested range)	
		Code	Wetted Parts Material
			(A) SS316 (Viton o-ring) (B) SS316 (FFKM o-ring) (T) Tapcon (O) option
		Code	Process Connection
		1	¼"NPT(F)
		Code	Display
		0	Without display
		Code	Output Signal
			(1) 0-5 VDC (2) 4-20 mA
		Code	Input Power
			(1) 24 VDC (2) 15VDC
		Code	Power Supply for 24VDC
			(1) With (2) Without
		ULF Complete ordering code	

Flow Direction



■ Please follow the direction of arrow "➔" on the label to install.
(As shown on the left is the standard installation.)

■ If customer requires "Vertical ⬆ or ⬇" installation, please contact with the manufacturer when place an order.