

Basic Specification	Meters	Controllers	Description
Accuracy	± 0.8% of Reading ±0.2% of Full Scale		At calibration conditions after tare
High Accuracy Option	± 0.4% of Reading ±0.2% of Full Scale		At calibration conditions after tare
Repeatability	± 0.2%		Full Scale
Operating Range	1% to 100% Full Scale		Measure and Control
Typical Response Time	10	100	Milliseconds (Adjustable)
Standard Conditions (STP)	25° C & 14.696PSIA		Mass Reference Conditions
Operating Temperature	-10 to + 50		° Celsius
Zero Shift	0.02%		Full Scale / ° Celsius / Atm
Span Shift	0.02%		Full Scale / ° Celsius / Atm
Humidity Range	0 to 100%		Non – Condensing
Flow Rate	128% Measurable	102.4% Controllable	Full Scale
Maximum Pressure	145		PSIG
Input /Output Signal Standard	RS-232 Serial & 0-5Vdc		
Input / Output Secondary	0-5 Vdc; 0-10Vdc;4-20mA		Pressure, Temperature or Flow
Electrical Connections	8 Pin		Mini Din
Sensitivity to Mounting Attitude	0%		Meters: Tare after installation required
Warm-up Time	< 1		Second
Wetted Materials	303 & 302 Stainless Steel, Viton®, Silicone RTV (Rubber), Glass Reinforced Nylon, Aluminum. Controllers ≤20SLPM Add: Brass, 410 Stainless Steel. Controllers >20SLPM Add: 410 & 416 Stainless Steel and Nickel		
Mechanical Dimensions	Mechanical Connections ¹	Meters	Controllers
≤ 50SCCM	10-32 UNF (European M-5)	3.9"H x 2.4"W x 1.1"D	3.9"H x 3.5"W x 1.1"D
50SCCM ≤ 20SLPM	1/8" NPT Female	4.2"H x 2.4"W x 1.1"D	4.2"H x 3.6"W x 1.1"D
20SLPM ≤ 100SLPM	1/4" NPT Female	4.4"H x 4.0"W x 1.6"D	4.7"H x 6.9"W x 2.3"D
100SLPM ≤ 250SLPM	1/2" NPT Female	5.0"H x 4.0"W x 1.6"D	5.0"H x 6.9"W x 2.3"D
>250SLPM ≤ 1500SLPM	3/4" NPT Female	5.0"H x 4.0"W x 1.6"D	5.6"H x 7.4"W x 2.3"D
1) VCR, SAE with O-ring face seals, BSPP, etc. also available			

Standard Pressure Drop Across the Device in PSID ⁴		
Full Scale Flow	Meters	Controllers
0.5SCCM up to 1SCCM	0.5	0.5
>2SCCM up to 50SCCM,	1.0	1.0
>50SCCM up to 500SCCM	1.0	1.0
1SLPM	1.0	1.5
5SLPM	1.0	2.0
10SLPM	1.0	5.0
20SLPM	1.0	20.0
>20SLPM up to 50SLPM	2.0	2.5
100SLPM	2.5	5.0
250SLPM	4.0	10.0
500SLPM	4.0	4.1
1000SLPM	6.0	10.0