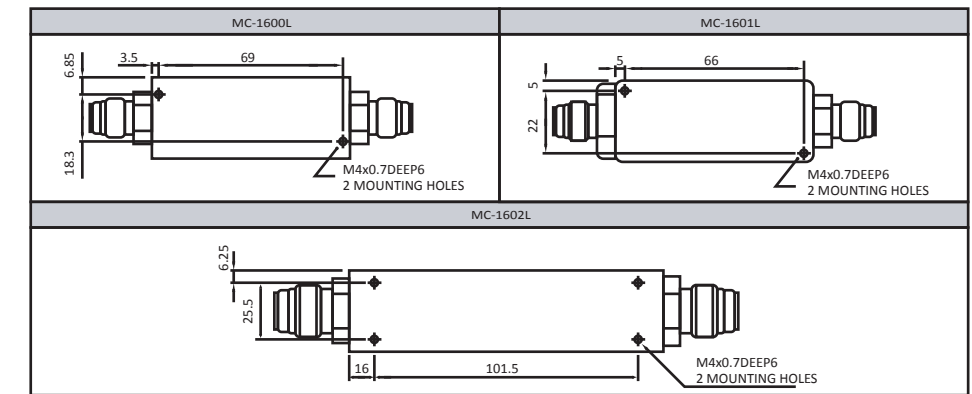
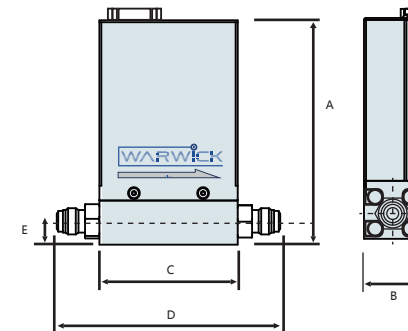
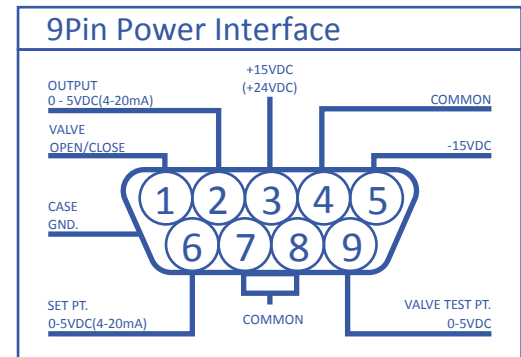


ECONOMY ANALOG MASS FLOW CONTROLLER



Dimensions (mm)

Model	A	B	C
MC-1600	108.5	32	76
MC-1601	108.5	32	76
MC-1602	151.4	38	133.3
D			
1/4"VCR	1/4"LOK	3/8"VCR	3/8"LOK
124	128.3 (112.3)	\	\
124	128.3 (112.3)	\	\
\	\	187.4	189.8(173)
E			
124	128.3 (112.3)	\	\
\	\	187.4	189.8(173)



Model	MC-1600L	MC-1601L	MC-1602L
Performance			
Full Scale Range (N2 Eqv)	Single Gas 10-5000SCCM	Single Gas 5SLM-50 SLM	Single Gas 30SLM-200SLM
Control Range	2-100% F.S.		
Response Time	≤ 2.0sec to within ±2% F.S.		≤ 4.0sec to within ±2% F.S.
Accuracy	≤ ± 1% F.S.		≤ ±2% F.S.
Linearity	≤ ±0.5% F.S.		≤ ±1% F.S.
Repeatability	≤ ±0.2% F.S.		
Operating Differential Pressure	0.05-0.28 MPa	0.07-0.28 MPa (5SLM-23SLM) 0.14-0.28 MPa (23SLM-50SLM)	0.14-0.28 MPa (30SLM-150SLM) 0.20-0.30 MPa (150SLM-200SLM)
Maximum Operating Pressure	0.48 MPa		
Proof Pressure	Max 1.03 MPa		
Leak Integrity	Max 1*10 ⁻⁷ Pa.m ³ /sec(He)		
Operation Temperature	5-45 DegC		
Mechanical Parts			
Control Valve Type	Normally Closed		
Seal	Viton		
Material	Stainless steel 316L, PTFE		
Fitting	1/4" VCR or 1/4"Swagelok Compatible 3/8" VCR or 3/8" Swagelok Compatible		
Mounting Posture	Any Position		
Weight	0.9kg		2.2kg
Surface Finish	≤5RA		
Electrical Configuration			
Electrical Signal	0-5VDC/4-20mA : 9P-DSub *1		
Power Supply	+15VDC ±2% at 50mA -15VDC ±2% at 180mA		+15VDC ±2% at 50mA -15VDC ±2% at 250mA
	+24VDC ±15% at 175mA maximum		+24VDC ±15% at 240mA maximum
Input Signal	0-5 VDC or 4-20mA		
Output Signal	0-5 VDC or 4-20mA		
Power Consumption	3.5W		4.5W

- ◆ ±15VDC or +24VDC power supply
- ◆ Support 0-5VDC signal control and 4-20mA signal control
- ◆ Flow range cover 10SCCM- 200SLM (N2 Eqv)
- ◆ High accuracy, good repeatability & cost-effective