

Technical Specifications

Specification	P5	Specification	EP5
Input signal	3-15 PSI (20-1000 kPa)	Input signal	4-20mA
Linearity	0.5%*	Linearity	1.0%*
Hysteresis	0.5%*	Hysteresis	0.75%*
Repeatability	0.5%*	Repeatability	0.5%*
Gain Factor at 87 PSI (600 kPa)	Minimum 1000 kPa/kPa Maximum 66%/ % ISA 575.13-1989	Gain Factor at 87 PSI (600 kPa)	Minimum 1000 kPa/kPa Maximum 66%/ % ISA 575.13-1989
Maximum Air Consumption at Supply Pressure		Maximum Air Consumption at Supply Pressure	
29 PSI (0.2 MPa)	0.19 SCFM (5.4 nl/min)	29 PSI (0.2 MPa)	0.22 SCFM (6.1 nl/min)
58 PSI (0.4 MPa)	0.43 SCFM (12.3 nl/min)	58 PSI (0.4 MPa)	0.48 SCFM (13.6 nl/min)
87 PSI (0.6 MPa)	0.71 SCFM (20 nl/min)	87 PSI (0.6 MPa)	0.78 SCFM (22.0 nl/min)
116 PSI (0.8 MPa)	0.98 SCFM (27.8 nl/min)	116 PSI (0.8 MPa)	1.08 SCFM (30.5 nl/min)
145 PSI (1.0 MPa)	1.26 SCFM (35.7 nl/min)	145 PSI (1.0 MPa)	1.38 SCFM (39.0 nl/min)
Minimum Air Consumption at Supply Pressure		Minimum Air Consumption at Supply Pressure	
29 PSI (0.2 MPa)	6.9 SCFM (200 nl/min)	29 PSI (0.2 MPa)	6.9 SCFM (200 nl/min)
58 PSI (0.4 MPa)	12.8 SCFM (370 nl/min)	58 PSI (0.4 MPa)	12.8 SCFM (370 nl/min)
87 PSI (0.6 MPa)	18.8 SCFM (540 nl/min)	87 PSI (0.6 MPa)	18.8 SCFM (540 nl/min)
116 PSI (0.8 MPa)	24.7 SCFM (710 nl/min)	116 PSI (0.8 MPa)	24.7 SCFM (710 nl/min)
145 PSI (1.0 MPa)	30.6 SCFM (880 nl/min)	145 PSI (1.0 MPa)	30.6 SCFM (880 nl/min)
Maximum Supply Pressure	150 PSI (1.0 MPa)	Maximum Supply Pressure	150 PSI (1.0 MPa)
Temperature Range	-4°F to +185°F (-20°C to +85°C)	Temperature Range	-4°F to +185°F (-20°C to +85°C)
Connector Threads	"1/4" NPT or G (BSP)"	Connector Threads	1/4" NPT or G (BSP)"
Gauge Threads	"1/8" NPT or G (BSP)"	Gauge Threads	1/8" NPT or G (BSP)"
Weight	2.4 Lbs. (1.1 kg)	Weight	3.4 Lbs. (1.5 kg)
Housing	Die Cast Aluminum	Housing	Die Cast Aluminum
Surface Treatment	ED Epoxy Paint (Black)	Surface Treatment	ED Epoxy Paint (Black)
Fasteners	A2/A4 Stainless	Fasteners	A2/A4 Stainless
Ingress Protection	IP66 / NEMA4	Ingress Protection	IP66 / NEMA4
* Percent of full scale		Deadband	0.15%
		Minimum Supply Pressure	21 PSI (0.14 MPa)
		Conduit Entry	1/2" NPT pr PG 13.5 (M20)"
		Terminals	2.5mm (AVG 14) Screw Terminals
		Input Impedance	170-260 Ohms at 71°F (20°C)
		RFI Influence	Not Measurable
		Capacitance	Negligible
		Supply Pressure Effect	0.5%/15 PSI (0.1 MPa)
		Approvals	
		Cenelec	
		Intrinsically Safe	Ex ia IIC T4-T6
		Flameproof **	Ex d IIC T4-T6
		FM	
		Intrinsically Safe	Div 1, Class 1, Group ABCD
		Explosionproof **	Div 1, Class 1, Group BCD
		CSA	
		Intrinsically Safe	Div 1, Class 1, Group ABCD
		Explosionproof **	Div 1, Class 1,2,3, Group BCDEFG
		* Percent of full scale	
		** I/P in round housing (not shown)	

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