



Technical Specifications

V100E-FF Electropneumatic Fail Freeze Positioner

Input range:	4-20mA	
	Load presents 6 volts (+/-0.5V) constant voltage drop to the current source.	
Supply pressure:	22-145 PSI	0.15-1MPa
Linearity error:	<1.0% f.s.	
Hysteresis:	<0.5% f.s.	
Repeatability:	<0.5% f.s.	
Pressure Gain:	750 P_{out}/P_{in}	
Acc. To ISA S75.13	49% P_{out}/P_{in}	
Air Delivery:	SCFM	SLPM
@29 PSI (200kPa)	9.5	270
@87 PSI (600kPa)	28.3	800
Air Consumption:	SCFM	SLPM
@29 PSI (200kPa)	0.2	5.7
@87 PSI (600kPa)	0.6	17
Supply pressure effect:	negligible	
Loop voltage drop:	+/-0.5 V	
Reverse protection:	125 mA	
Over current protection:	125 mA	
Fail Freeze Mode:	Input signal fail below 2 mA +/-0.5 mA	
Fail Freeze Drift Rate:	.02% in 30 seconds (mid range)	
Temp Range:	-40° to 158° Fahrenheit -20° to 70° Celsius	
Air Connections:	1/4" NPT or G Threads	
Gauge port:	1/8" NPT or G Threads	
Cable entry:	1/2" NPT optional 30mm square Connector DIN 43650	
Ingress & corrosion protection:	Nema 4X and IP 65	
Coating:	Powder Polyester - Positioner Epoxy Coated - Fail Freeze Converter	
Weight	5.8 lbs.	2.65 kg