



Technical Specifications

**V100E-IS Electropneumatic Intrinsically Safe Positioner**

Input range: 4-20mA ( $R_i < 170$  ohms)  
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
@145 PSI (1Mpa)	47.1	1350

Air Consumption:	SCFM	SLPM
@29 PSI (200kPa)	0.18	5
@87 PSI (600kPa)	0.53	15
@145 PSI (1Mpa)	0.88	25

Temp Range: -40° to 185° Fahrenheit  
-40° to 85° Celsius

Air Connections: 1/4" NPT or G Threads  
Gauge port: 1/8" NPT or G Threads  
Cable entry: 1/2" NPT or M20x1.5 or PG 13.5

Ingress & corrosion protection: Nema 4X and IP 66  
Coating: Powder Polyester

Weight 3.8 lbs 1.7 kg

**Approvals**

**Cenelec** EEx ia IIC T4-T6

**FM/CSA** CL I Div 1 Grp ABCD  
CL I Div 2 Grp ABCD