

Technical Specifications

V100E 0-10 VDC Electropneumatic Positioner

Input range: 0-10 VDC
 Supply pressure: 20-120 PSI
 Linearity error: <1.0% f.s.
 Hysteresis: <0.5% f.s.
 Repeatability: <0.5% f.s.

Pressure Gain: 750 Pout/Pin
 Acc. To ISA S75.13 49% Pout/Pin

Pneumatic Positioner:

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 160° Fahrenheit
 -40° to 71° Celsius

Air Connections: ¼" NPT or G Threads
 Gauge port: 1/8" NPT or G Threads
 Cable entry: ½" NPT or M20x1.5 or PG 13.5

Ip Converter

3 wire 7.2-30 VDC Input/power
 0-10 VDC Signal

Frequency response

-3 db@ 5 Hz

Vibration effect

Less than +1% of Span under 5-15 Hz
 @ 0.8 inches constant displacement
 15-500 Hz @ 10 Gs.

Ingress & corrosion protection:

Nema 4X and IP 66

Coating:

Powder Polyester-Positioner
 Epoxy-IP Transducer

Weight

3.8 lbs 1.7 kg