



Technical Specifications

V100E-EX-Electropneumatic Explosion Proof Positioner

Input range: 4-20mA (R1<260 ohms)
 Supply pressure: 30-145 PSI 0.2-1MPa
 Linearity error: <1.0% f.s.
 Hysteresis: <0.6% f.s.
 Repeatability: <0.5% f.s.

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

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)	0.2	.7
@87 PSI (600kPa)	0.6	17.0
@145 PSI (1Mpa)	1.0	28.3

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 65
 Coating: Powder Polyester

Weight 4.9 lbs 2.2 kg

Approvals

Cenelec

Intrinsically safe: EEx ia IIC T4/T5/T6
 Flameproof: EEx d IIC T4/T5/T6

British Standard

Non incndive: Ex N II T6 for Zone 2

FM

Intrinsically safe: CL I-II-III/Div 1/Grp ABCDEFG
 Non incndive: CL I/Div 2/Grp ABC
 Explosion proof: CL I/Div 1/Grp BCD
 CL I II III/Div 1/Grp EFG

CSA

Intrinsically safe: CL I/Div 1/Grp ABCD
 CL II/Div 1/Grp EFG
 CL III
 CL I/Div 2/Grp ABCD
 CL II/Div 2/Grp EFG
 Explosion proof: CL I/Div 1/Grp BCD
 CL II/Div 1/Grp EFG