

A235 SS0 Series Digital Positioners

A235 SS Series positioners are intelligent proportional valve control devices that meet dynamic performance and precise adjustment with piezoelectric technology and optimized automatic calibration program.

General Specifications,

- Fast commissioning with automatic calibration
- Precise control performance and high dynamic response
- Easy calibration with LCD screen and keypads
- Compatible with single and double acting actuators
- Very low air consumption due to piezoelectric valve system
- Built-in pressure regulator to eliminate changes in supply air pressure
- Trouble-free operation on any size actuator
- High resistance to shocks and vibrations
- Mounting on linear actuators according to IEC 534

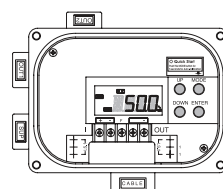
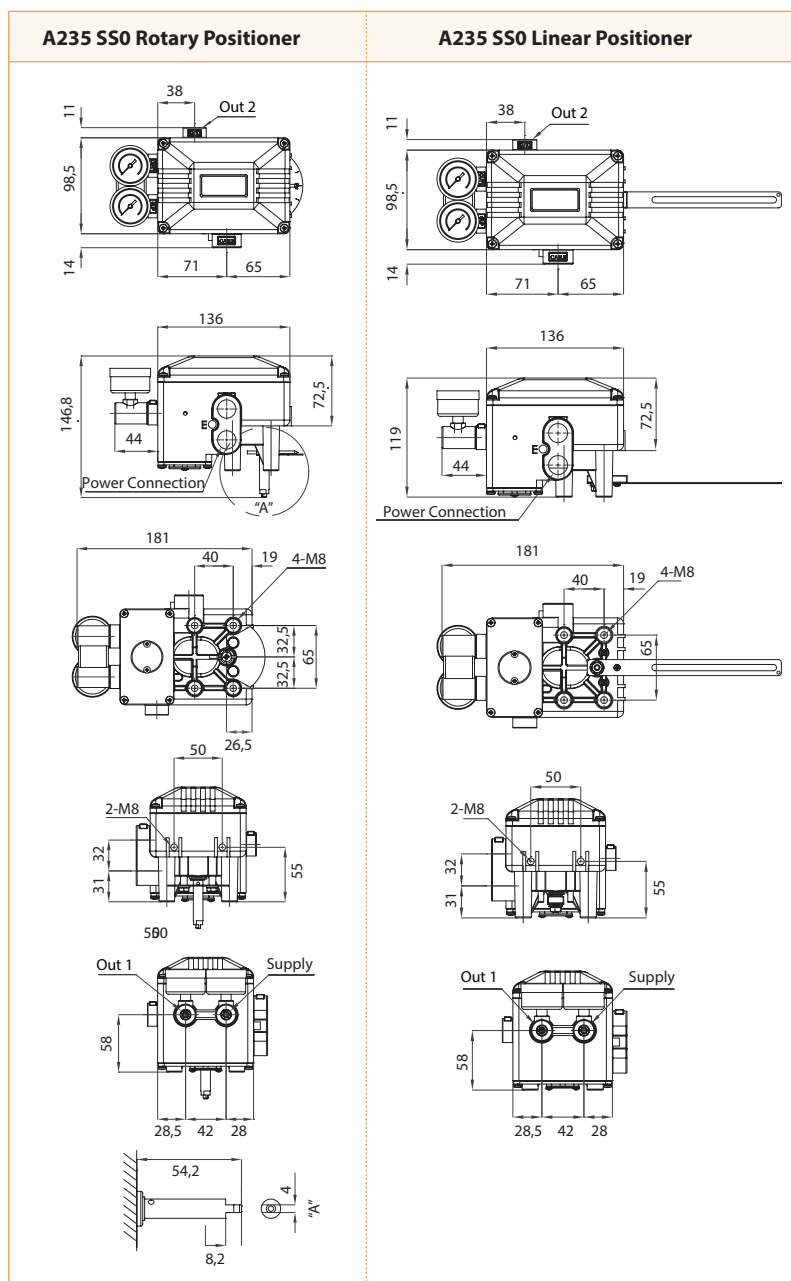
Optional Specifications,

- Explosion Proof
- HART Protocol
- 2 x Alarm Switch



Technical Specifications,

Input Signal	4 – 20 mA @ 24 VDC
Voltage Drop	8.5 VDC @ 20 mA (425 Ω)
Min./ Max. Current	3.6 mA / 50 mA
Required Load Voltage (≅Ω @20mA)	With HART : 8.5V (≅425 Ω)
	Without HART : 9.2V (≅460 Ω)
Air supply Pressure	1.4 - 7.0bar (20-100psi) Filtered compressed dry and non-oiled air
Output Pressure	0-100% Supply air pressure / single or double action
Shut-Off Valve	0 - 5% Range of position signal
Air Capacity	1.4 bar (20 psi) Air Supply, 6.6 kg/h=5.4N nM ³ h=3scfm
Air Consumption	<0.04kg/Hour
Humidity Limits	< 90% RH, Non-condensing
Stroke	5-80mm (Max 150mm)
Adjustable Speed	1 - 1000 (Min 1, Max 1000)
LCD Screen	4-Digit LCD Screen
Scan Time	2ms
Valve Action	0-100% Position Control / Direct Action (DA) / Reverse Action (RA)
Characteristic Curve	Linear, E.Q.% (1:25 or 1:50), Quick Open
	Linearity<=0.3% / Sensitivity<=0.2% / hysteresis<=0.2%
Operating Temperature	-20 ~ +80°C
Protection Class	Standard IP66, Optional Explosion Proof Ex ia / Ex d
Body Material	Powder Coated Aluminum die-cast
Pneumatic Connections	G 1/4 or 1/4 NPT
Electrical Connections	2 X G 1/2" or 1/2" NPT
Weight	2.5 kg



A235 Series Digital Positioner Menu



A235 Series Ex d Explosion Proof Positioner