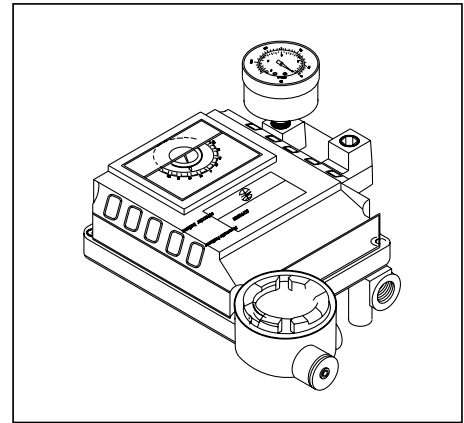


Electro - Pneumatic Positioner - SDEP 1000R

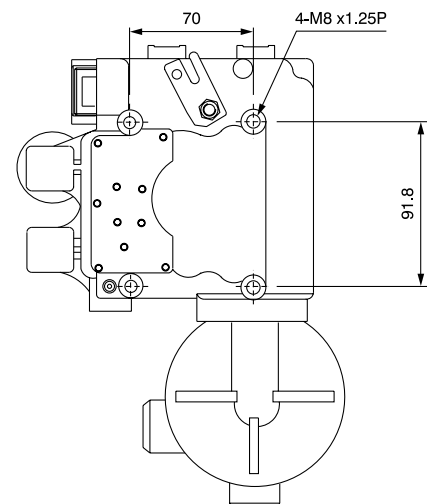
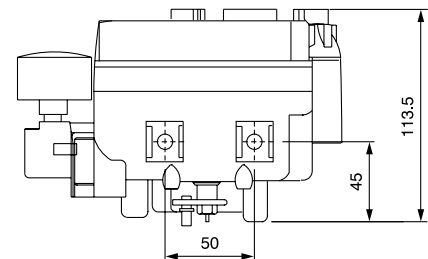
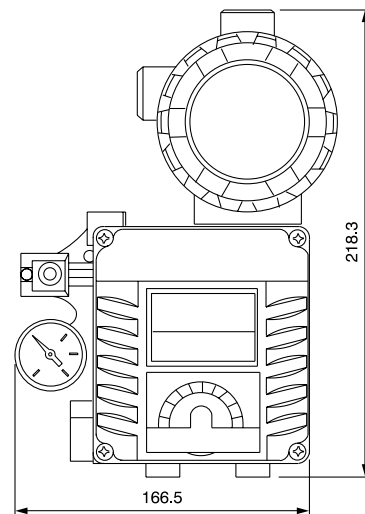
Electro Pneumatic positioner is an useful interlinking device controlling cylinder / valve movement by means of electric controller or control system with an analog output signal of DC 4 to 20 mA or split range. The salient features of Schrader Electro Pneumatic Positioner are :

- There is no resonance between 5-200 Hz.
- Works effectively under adverse environmental conditions.
- It is economical due to minimal air consumption.
- Provision of orifice-disc to prevent hunting in small size actuators.
- The convenient changeover from single acting to double acting and vice versa.



SPECIFICATIONS

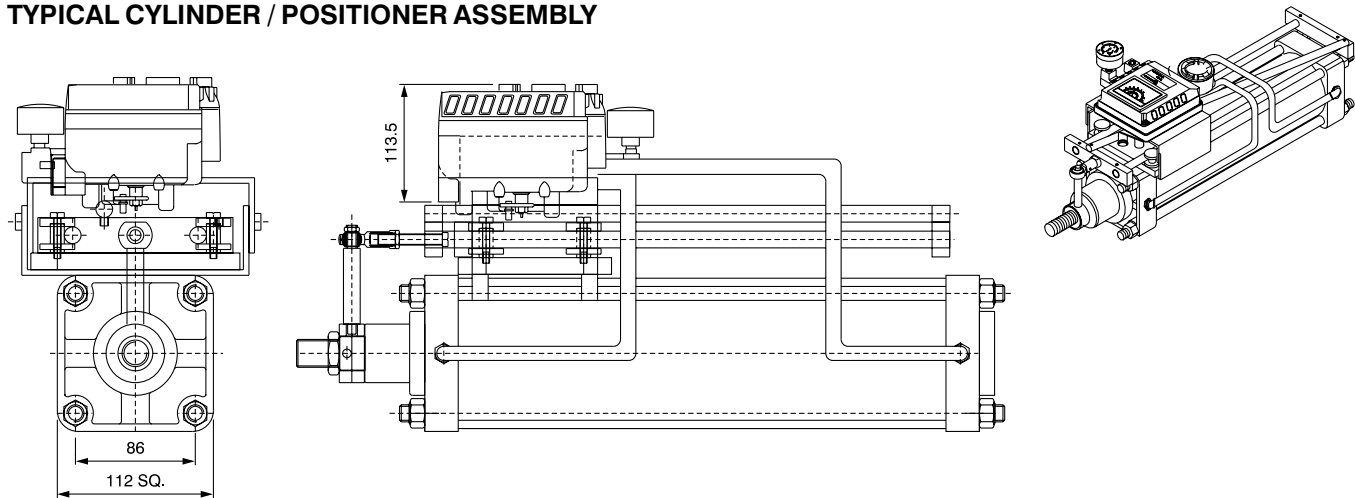
ITEM		SINGLE	DOUBLE
Input Signal		DC 4-20mA	
Impedance		250 ± 15 Ohm	
Supply Pressure		1.4-7Kgf/cm ² (20-100 Psi)	
Stroke (Linear/Rotary)		50 to 1200 m.m. / 0 to 90°	
Air Connection		PT (NPT) 1/4"	
Gauge Connection		PT (NPT) 1/8"	
Conduit		PF 1/2" (G1/2)	
Protection		IP 66	
Ambient Temp.	Operating	-20°-70°C	
	Explosion	-20°-60°C	
Linearity		± 1% F.S.	± 2% F.S.
Hysteresis		± 1% F.S.	
Sensitivity		± 0.2% F.S.	± 0.5% F.S.
Repeatability		± 0.5% F.S.	
Air Consumption		3LPM (Sup=1.4Kgf/cm ² , 20psi)	
Flow Capacity		80LPM (Sup=1.4Kgf/cm ² , 20psi)	
Material		Aluminium Die Casting	
Weight		2.8Kg. (6.2 lb)	



OPTIONAL FEATURES

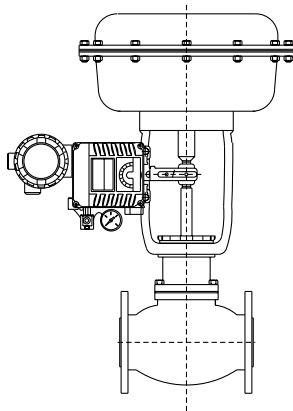
Position Transmitter	Internal Arrangement
	Input Signal : 0-90° (Obtained From Positioner)
	Output Signal : 4-20mA DC
	Load Resistance : 0-600 ohm
	Supply Voltage : 15-30 V DC
Limit Switch	Internal Arrangement
	Rating : AC 0.6A 125V-16A 250V
	Switch Type : 2 x SPDT
Explosion Proof	Ex dm IIB T5
	Ex dm IIB T5
	Ex dm IIB T6

TYPICAL CYLINDER / POSITIONER ASSEMBLY



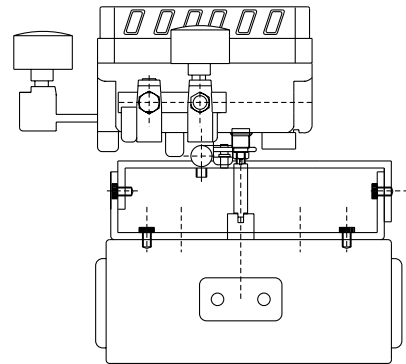
Input Signal : 4 to 20 mA
 Cylinder Bore : $\varnothing 1\frac{1}{2}$ " to 12"
 $\varnothing 40$ mm to 320 mm

TYPICAL VALVE / POSITIONER ASSEMBLY



Input Signal : 0.2 to 1 Bar (3 to 15 psi)
 Maximum Stroke : 150 mm

TYPICAL ROTARY ACTUATOR / POSITIONER ASSEMBLY



Input Signal : 0.2 to 1 Bar (3 to 15 psi)
 Angular Movement : 90°

OPTIONAL FEATURES AND ACCESSORIES WITH POSITIONER ASSEMBLY

- Mounting as required
- Bellows (Gaitor) for dust protection
- Turn Buckle (Fork)
- Lockup valve : (Provision for stay put condition)
- Equalising valve
- Viton seals for high temp (180°C)
- Manual override
- Air reservoir
- Speed regulator
- FR unit