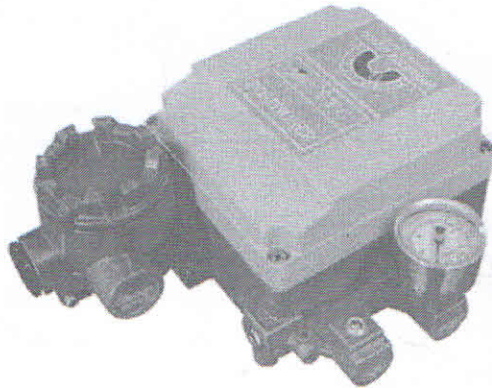


Instruction Manual

(YT-1000R / Rotary Type)



Electro-Pneumatic Positioner YT-1000R

1. GENERAL

The electro-pneumatic positioner YT-1000R is used for rotary operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of 4 to 20 mA or split ranges.

2. FEATURES

- There is no resonance in the range of 5~200Hz.
- Performing ½ Split Control without any other substitutes.
- Easy to adjust zero and span.
- Easy to convert from Reverse Action to Direct Action or vice versa.
- Easy Feedback Connection.
- Fast and accurate response.
- Low air consumption.
- Easy to protect from hunting effect by using output orifice in small size of actuator.
- Designed as block build structure for maintenance and repair.

3. SPECIFICATIONS

Item • Type	Single Acting	Double Acting
Input Signal	4 ~ 20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14 ~ 0.7 Mpa	
Stroke	0 ~ 90°	
Air connection	PT (NPT) ¼	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF ½	
Explosion Proof	ExialIBT6, ExdmIIBT6, ExdmIICT6	
Degree of Protection	IP66	
Ambient Temperature	-20°C ~ 70 °C (-4°F ~ 158 °F)	
Linearity	±2% F.S.	
Hysteresis	1% F.S.	
Sensitivity	±0.5% F.S.	
Repeatability	±0.5% F.S.	
Air Consumption	5 LPM (Sup. = 0.14 Mpa)	
Flow Capacity	80 LPM (Sup. = 0.14 Mpa)	
Material	Aluminum Diecasting	
Weight	Approx 2.8kg with junction box	