

Electro-Pneumatic Positioner

YT-1000L (Linear Type)

Ordering Symbols: YT-1000L

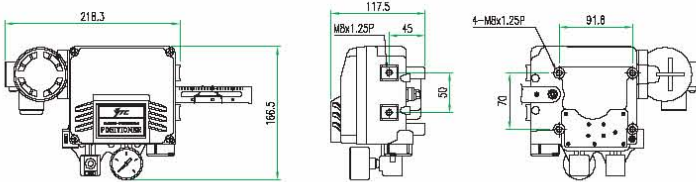


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp
YT-1000 L	S Single Acting	m ExdmIIBT5	1 10~40 mm	1 Φ1	1 PT	S -20°C~60°C
	D Double Acting	c ExdmIICT5	2 30~70 mm	2 Φ2	2 NPT	H -20°C~120°C
		i ExialIBT6	3 60~100 mm	3 None		L -40°C~70°C
		n Non-Explosion	4 100~150 mm			



Specifications

Item.Type	Single	Double
Input Signal	4~20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	10~150mm	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T5	
	Ex dm IIC T5	
	Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20°C~70°C (Operating Temp.)	
	-20°C~60°C (Explosion Temp.)	
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	Aluminum Diecasting	
Weight	2.7kg(6.1lb)	



The Electro-Pneumatic Positioner YT-1000L is used for operation of pneumatic linear valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20 mA or split Ranges.

- There is no resonance at 5~200Hz.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.