

Electro-Pneumatic Positioner YT-1000R

Product Number: YT-1000R ■ ■ ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single	m ExdmIIBT5	1 M6×34L	1 φ 1	1 PT	S -20°C ~ 60°C	0 NONE (St'd)	0 NONE
	D Double	f ExdmIIBT5 (FM)	2 M6×63L	2 φ 2	2 NPT	H -20°C ~ 120°C	1 Dome Cover	1 + PTM(Internal)
		C ExdmIIC T5	3 M8×34L	3 None		L -40°C ~ 70°C		2 + PTM(External)
		I ExiaIIBT6	4 M8×63L					3 + L / S(Internal)
		n Non-Explosion	5 NAMUR					4 + L / S(External)
								5 + PTM + L / S(Internal)
								6 + PTM + L / S(External)

Internal PTM, L/S are Non-Explosion only.
(Option 2)



YT-1000R



YT-1000R+PTM(int)



YT-1000R+PTM+L/S(int)



YT-1000R+DOME



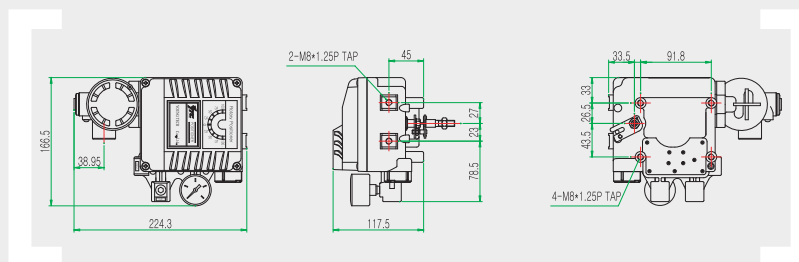
YT-1000R+L/S(ext)
YT-1000R+PTM+L/S(ext)



YT-1000R+PTM(ext)

Item · Type	Single	Double
Input Signal	DC 4-20mA	
Impedance	250±15 Ω	
Supply Pressure	1.4 ~7kgf/cm ² (20 ~100 psi)	
Stroke	0 ~ 90°	
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	
Enclosure	IP66	
Ambient Temp	Operating	-20°C~70°C(-4~158°F)
	Explosion	-20°C~60°C(-4~140°F)
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	2.8kg (6.2 lb)	

* For additional **PTM, L/S specification** refer to p.23,26(Int.) and 24,27(Ext.).



Electro-Pneumatic Positioner YT-1000L

Product Number: YT-1000L (specify your requirement)

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option
YT-1000L	S Single	m ExdmIIBT5	1 10 ~ 40mm	1 ϕ 1	1 PT	S -20°C ~ 60°C	0 NONE
	D Double	f ExdmIIBT5 (FM)	2 30 ~ 70mm	2 ϕ 2	2 NPT	H -20°C ~ 120°C	1 + PTM (Analog type)
		C ExdmIIC T5	3 60 ~ 100mm	3 None		L -40°C ~ 70°C	2 + SPTM (Smart type)
		i ExialIBT6	4 100 ~ 150mm				
		n Non-Explosion					



YT-1000L

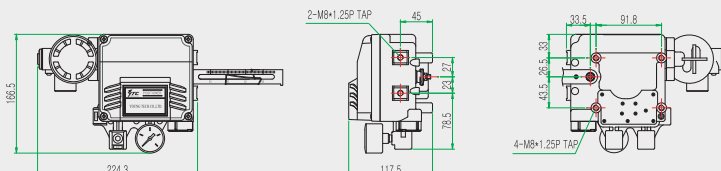


YT-1000L+PTM(int.)



Item · Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	1.4 ~ 7kgf/cm ² (20 ~ 100 psi)	
Stroke	10 ~ 150mm	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	PF 1/2 (G 1/2)	
Explosion Proof	Ex dm IIB T5 Ex dm IIC T5 Ex ia IIB T6	
Enclosure	IP66	
Ambient Temp.	Operating	-20°C~70°C(-4~158°F)
	Explosion	-20°C~60°C(-4~140°F)
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 (6.1 lb)	

* For additional PTM specification refer to p.23.



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 20mA or split ranges.

- Simple zero and span adjustment
- No resonance between 5-200Hz
- Auto/Manual switch
- RA v.s. DA action and 1/2 split range setting by simple adjustment
- Internal feedback signal is available as an option (weather proof only)