

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 Ex dmb IIB T5 (KTL)	1 M6×34L	1 φ 1	1 PT	S -20°C ~ 60°C	0 NONE (St'd)	0 NONE
	D Double	C Ex dmb IIC T5 (KTL)	2 M6×63L	2 φ 2	2 NPT	H -20°C ~ 120°C	1 Dome Cover	1 + SPTM(Internal)
		i Ex ia IIB T6 (KTL)	3 M8×34L	3 None		L -40°C ~ 70°C		2 + SPTM(External)
		n Non-Explosion	4 M8×63L					3 + L / S(Internal)
		f Ex dm IIB T5 (FM)	5 NAMUR					4 + L / S(External)
		p Ex ia IIC T6 (NEPSI)						5 + SPTM + L / S(Internal)
		H Ex dmb IIC T5/T6 (NEPSI)						6 + SPTM + L / S(External)

* With high temp and/or internal SPTM,L/S option, positioner must be non-explosion type.

2014 Newest Version



YT-1000R



YT-1000R+SPTM(int)



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



YT-1000R+DOME



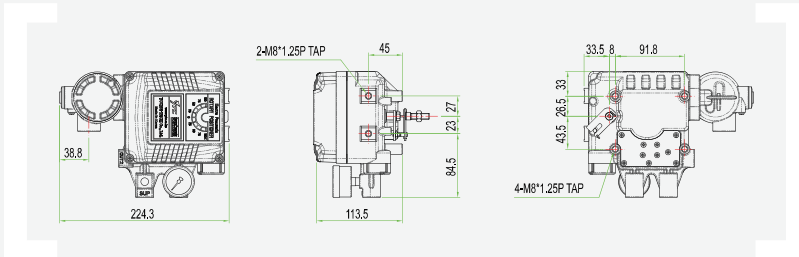
YT-1000R+L/S(ext)
YT-1000R+SPTM+L/S(ext)



YT-1000R+SPTM(ext)

Item · Type	Single	Double
Input Signal	DC 4-20mA	
Impedance	250±15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	0 ~ 90°	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dmb IIB T5 (KTL) Ex dmb IIC T5 (KTL) Ex ia IIB T6 (KTL) Ex ia IIC T6 (NEPSI) Ex dmb IIC T5/T6 (NEPSI)	
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	2.5LPM (sup=0.14MPa)	
Flow Capacity	80LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	2.8kg (6.2 lb)	

* For additional **SPTM, L/S specification** refer to p. 26,28(Int.) and 27,29(Ext.).



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20mA or split ranges. (refer to YT-1000L, page 12)