

# 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	<span style="border: 1px solid black; padding: 1px;">S</span> Single	<span style="border: 1px solid black; padding: 1px;">m</span> Ex dmb IIB T5 (KTL)	<span style="border: 1px solid black; padding: 1px;">1</span> M6×34L	<span style="border: 1px solid black; padding: 1px;">1</span> φ 1	<span style="border: 1px solid black; padding: 1px;">1</span> PT	<span style="border: 1px solid black; padding: 1px;">S</span> -20°C ~ 60°C	<span style="border: 1px solid black; padding: 1px;">0</span> NONE (St'd)	<span style="border: 1px solid black; padding: 1px;">0</span> NONE
	<span style="border: 1px solid black; padding: 1px;">D</span> Double	<span style="border: 1px solid black; padding: 1px;">C</span> Ex dmb IIC T5 (KTL)	<span style="border: 1px solid black; padding: 1px;">2</span> M6×63L	<span style="border: 1px solid black; padding: 1px;">2</span> φ 2	<span style="border: 1px solid black; padding: 1px;">2</span> NPT	<span style="border: 1px solid black; padding: 1px;">H</span> -20°C ~ 120°C	<span style="border: 1px solid black; padding: 1px;">1</span> Dome Cover	<span style="border: 1px solid black; padding: 1px;">1</span> + SPTM(Internal)
		<span style="border: 1px solid black; padding: 1px;">i</span> Ex ia IIB T6 (KTL)	<span style="border: 1px solid black; padding: 1px;">3</span> M8×34L	<span style="border: 1px solid black; padding: 1px;">3</span> None				<span style="border: 1px solid black; padding: 1px;">2</span> + SPTM(External)
		<span style="border: 1px solid black; padding: 1px;">n</span> Non-Explosion	<span style="border: 1px solid black; padding: 1px;">4</span> M8×63L					<span style="border: 1px solid black; padding: 1px;">3</span> + L / S(Internal)
		<span style="border: 1px solid black; padding: 1px;">f</span> Ex dm IIB T5 (FM)	<span style="border: 1px solid black; padding: 1px;">5</span> NAMUR					<span style="border: 1px solid black; padding: 1px;">4</span> + L / S(External)
		<span style="border: 1px solid black; padding: 1px;">p</span> Ex ia IIC T6 (NEPSI)						<span style="border: 1px solid black; padding: 1px;">5</span> + SPTM + L / S(Internal)
		<span style="border: 1px solid black; padding: 1px;">H</span> Ex dmb IIC T5/T6 (NEPSI)						<span style="border: 1px solid black; padding: 1px;">6</span> + SPTM + L / S(External)

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



YT-1000R



YT-1000R+SPTM(int)



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



YT-1000R+DOME

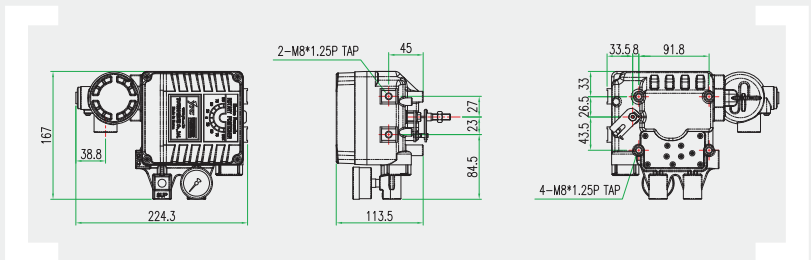


YT-1000R+L/S(ext)  
YT-1000R+SPTM+L/S(ext)



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	3LPM (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.22,25(Int.) and 23,26(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)