

# 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	<b>S</b> Single	<b>m</b> Ex dmb IIB T5 (KTL)	<b>1</b> 10 ~ 40mm	<b>1</b> $\phi$ 1	<b>1</b> PT	<b>S</b> -20°C ~ 60°C	<b>0</b> NONE
	<b>D</b> Double	<b>C</b> Ex dmb IIC T5 (KTL)	<b>2</b> 30 ~ 70mm	<b>2</b> $\phi$ 2	<b>2</b> NPT	<b>H</b> -20°C ~ 120°C	<b>2</b> + SPTM (Smart type)
		<b>i</b> Ex ia IIB T6 (KTL)	<b>3</b> 60 ~ 100mm	<b>3</b> None		<b>L</b> -40°C ~ 70°C	<b>3</b> + SPTM with LCD(Smart type)
		<b>n</b> Non-Explosion	<b>4</b> 100 ~ 150mm				
		<b>f</b> Ex dm IIB T5 (FM)					
		<b>P</b> Ex ia IIC T6 (NEPSI)					
		<b>H</b> Ex dmb IIC T5/T6 (NEPSI)					

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



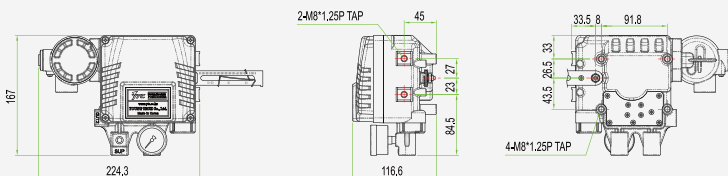
YT-1000L



YT-1000L+SPTM(int.)

Item · Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
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 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	2.5 LPM (sup=0.14MPa)	
Flow Capacity	80 LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	2.7kg (6.1 lb)	

\* For additional **SPTM specification** refer to p.22.



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)