

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

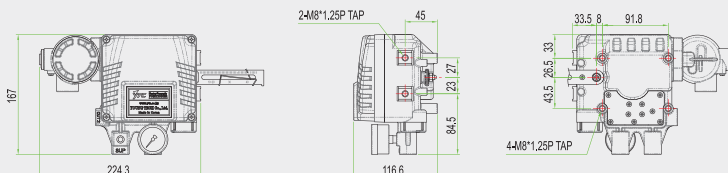
* With high temp and/or internal SPTM option, positioner must be non-explosion type.



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		80LPM (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)