

Electro-Pneumatic Positioner YT-1000L (Linear Type)

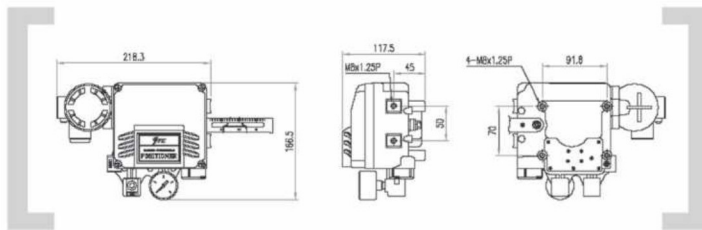
Ordering Symbols: YT-1000L



Model	Acting Type	Explosion Protection	Lever Type	Orifice Type	Conduit - Air Connection	Operating Temp	Option *2
YT-1000L	S Single	N Non-Explosion	1 10 ~ 40mm	1 ϕ 1	1 G1/2 - PT1/4	S -20°C ~ 60°C	0 NONE
	D Double	M ATEX, IECEx, TS, KCs	2 30 ~ 70mm	2 ϕ 2	2 G1/2 - NPT1/4	H -20°C ~ 120°C	2 + SPTM (Smart type)
		A CSA, FM	3 60 ~ 100mm	3 None	3 G1/2 - G1/4	L -40°C ~ 70°C	3 + SPTM with LCD(Smart type)
		C KCs, NEPSI	4 100 ~ 150mm		4 M20 - NPT1/4 *1		
		I KCs			5 NPT1/2 - NPT1/4		
		X TIIS					

*1 M20 adapter is attached to conduit entry

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



Specifications

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,G)1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	G(PF,NPT)1/2, M20	
Explosion Protection Type	ATEX (II 2 G)Ex dmb IIB T5 IECEx (II 2 G)EEx md IIB T5 KCs Ex dmb IIB T5;Ex d IIC T5 IP66;Ex ia IIB T6 Gb TS Ex db mb IIB T5 Gb X CSA (Class I, Zone 1)Ex dm IIB T5 FM XP-S/1/CD/T5 Ta=60°C; DIP/II, III/1/EF/G/T5 Ta=60°C ;Type 4X NEPSI Ex dmb IIC T6 Gb TIIS Ex dmb IIB T5	
Ingress Protection	IP66	
Operating 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)	

The Electro-Pneumatic Positioner YT-1000L 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.

- 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)