

Smart Positioner

YT-2500 / YT2550

Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection **	Communication	Option	Fail Option
				Linear	Rotary				
YT-2500	L Linear	S Single	N Non-Explosion	1 10~40mm	1 M6×34L	1 G1/2 - PT1/4	0 NONE	0 NONE	F Fail Freeze
YT-2550	R Rotary	D Double	I ATEX IECEx NEPSI KCs	2 20~70mm	2 M6×63L	2 G1/2 - NPT1/4	2 + HART	1 + PTM 2 + L/S(Mechanical Type) 3 + L/S(Proximity Type) 4 + PTM+L/S(Mechanical Type) 5 + PTM+L/S(Proximity Type)	S Fail Safe
				3 50~100mm	3 M8×34L	3 G1/2 - G1/4			
				4 100~150mm	4 M8×63L	4 M20 - NPT1/4 *2			
				5 NAMUR	5 NPT1/2 - NPT1/4				

*1 YT-2550 is available for No.2 ONLY.

*2 M20 adapter is attached to conduit entry



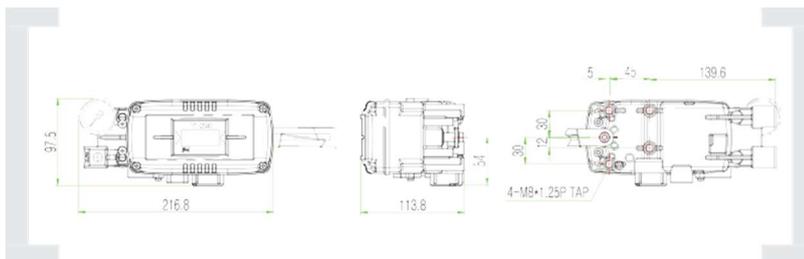
YT-2500



YT-2550



Item · Type	YT-2500	YT-2550
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	Linear Type	10~150mm
	Rotary Type	0 ~ 90°
Impedance	Max.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	G(PF,NPT)1/2, M20	G(PF)1/2
Operating Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
Linearity	± 0.5% F.S	
Hysteresis	± 0.5% F.S	
Sensitivity	± 0.2% F.S	
Repeatability	± 0.3% F.S	
Air Consumption	Fail Freeze	0.01LPM(sup=0.14MPa)
	Fail Safe	6 LPM(sup=0.14MPa)
Flow Capacity	Fail Freeze	60 LPM(sup=0.14MPa)
	Fail Safe	40 LPM(sup=0.14MPa)
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	Stainless steel 316
Ingress Protection	IP66	
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex iaD IIC T85°C/T100°C IP6X NEPSI Ex ia IIC T5/T6 KCs ia IIC T5/T6, EX iaD IIC T100°C/T85°C	
Communication(Optional)	HART(ver.5)	
L/S	Mechanical Type(Omron)	AC 125V, 3A DC 30V 2A
Rating	Proximity Type(P&F)	DC 8.2V 8.2mA
Weight	1.5kg (3.3lb)	2.9kg (6.4lb)



YT-2500 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Fail freeze function
- Auto calibration
- LCD display
- Near zero air consumption level
- PD control
- Feedback signal
- HART communication
- 4 buttons for local control
- Limit switch