

# Smart Positioner YT-2500 / YT2550

Product Number: YT-2500 / YT2550       (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option *	Fail Option
				Linear	Rotary				
YT-2500	<b>L</b> Linear	<b>S</b> Single	<b>n</b> Non-Explosion	<b>1</b> 10~40mm	<b>1</b> M6 × 34L	<b>1</b> PT	<b>0</b> NONE	<b>0</b> NONE	<b>F</b> Fail Freeze
YT-2550	<b>R</b> Rotary	<b>D</b> Double	<b>i</b> Ex ia IIC T6/T5	<b>2</b> 20~70mm	<b>2</b> M6 × 63L	<b>2</b> NPT	<b>2</b> + HART	<b>1</b> + PTM	<b>S</b> Fail Safe
				<b>3</b> 50~100mm	<b>3</b> M8 × 34L				
				<b>4</b> 100~150mm	<b>4</b> M8 × 63L	<b>3</b> + L/S(Proximity Type)			
				<b>5</b> NAMUR	<b>4</b> + PTM+L/S(Mechanical Type)				
							<b>5</b> + PTM+L/S(Proximity Type)		

\*L/S for rotary type only

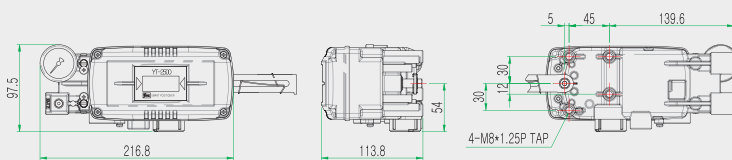


YT-2500R



YT-2550R

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.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	0.01LPM (sup=0.14MPa)	
Flow Capacity	60 LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	Stainless steel 316
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
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
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Limit switches