

Smart Positioner YT-2500 (Fail Freeze Type)

Ordering Symbols: YT-2500

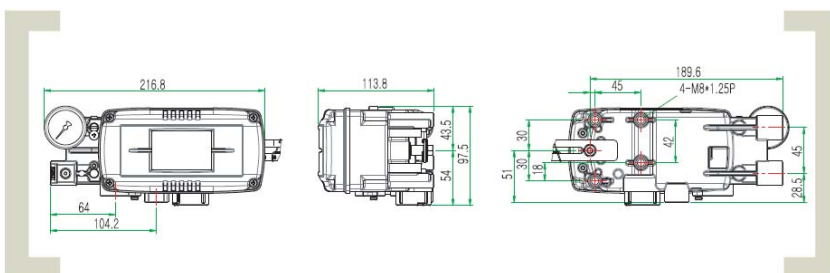
Motion	Acting Type	Explosion Proof	Lever Type		Connection	Communication	Option	Fail Option
L Linear	S Single Acting	N Non-Explosion	1 10~40mm	1 M6×40L	1 PT	0 NONE	0 NONE	F Fail Freeze
R Rotary	D Double Acting	E ExialICT6	2 20~70 mm	2 M6×63L	2 NPT	2 HART	1 +Transmitter	S Fail Safe
			3 50~100 mm	3 M8×40L				
			4 100~150 mm	4 M8×63L				
				5 NAMUR				



YT-2500L



YT-2500R



Specifications

Item.Type	YT-2500L	YT-2500R
Input Signal	4-20mA DC	
Supply Pressure	1.4~7kgf/cm ² (0.14~0.7MPa)	
Stroke	10~150mm	0~90°
Impedance	Max.460 Ohm/20mA DC	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.3%F.S.	
Ambient Temp	Operating	-30~85 °C (-22~185°F)
	Explosion	-40~60 °C (T5)/-40~40 °C (T6)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Air Consumption	0.01 LPM(sup=1.4K)	
Flow Capacity	60LPM	
Output Characteristics	Linear, EQ%, Quick Open User set(16Point)	
Material	Aluminum Diecasting	
Protection	IP66	
Explosion Proof	ExialICT6(Pending)	
Weight	1.5kg(3.3lb)	

YT-2500, Smart Valve Positioner, accurately controls valve stroke, according to input signal of 4-20mA being input from controller. In addition, built-in micro-processing operator optimizes the positioner's performance and provides unique functions – Auto Calibration, PID Controls, Alarm, and HART Protocol.

- YT-2500 freezes itself at the current valve position when there are failures in input signal or air pressure(bellow1.4k).
- LCD attached outside of the product enables the user to monitor the status of a positioner in the field.
- Various sets of information can be interchanged by HART communication between a valve and a positioner
- Valve system operation can be stable by outputting analog feedback signal.
- Various valve characteristics such as linear, quick open, equal percentage are available.