

Smart Positioner YT-2501

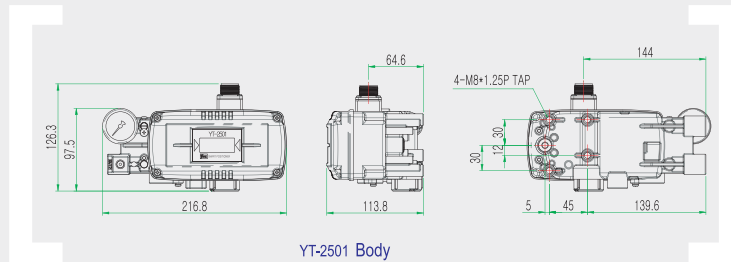
Product Number: YT-2501 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication*	Option	Fail Option	Cable Length*
				Linear	Rotary					
YT-2501	L Linear	S Single	n Non-Explosion	1 10~40mm	5 NAMUR	1 PT	0 NONE	0 NONE	F Fail Freeze	1 5m
	R Rotary	D Double	i Ex ia IIC T5/T6	2 20~70mm		2 NPT	2 + HART	1 +PTM	S Fail Safe	2 10m
				3 50~100mm			3 + Foundation Fieldbus			3 15m
				4 100~150mm						4 20m

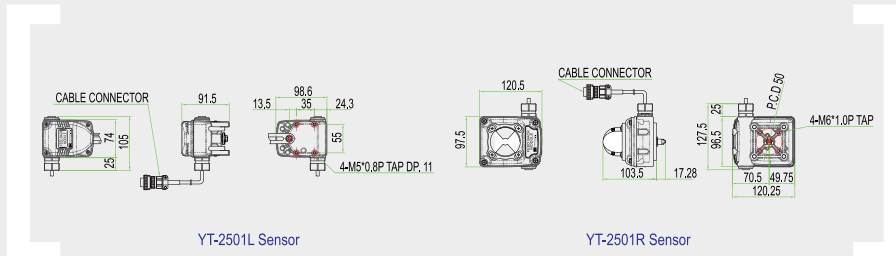
*FF is available for only non-explosion model and cannot have PTM option. * Maximum cable length is 20m.



Item · Type	YT-2501L	YT-2501R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.500Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Sensor Operating Temp.	-40°C ~ 120°C (-40~248°F)
	Body 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	60 LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T5/ T6	
Weight	Body	1.5kg (3.3lb)
	Sensor	0.6kg (1.3lb) 0.9kg (2.0lb)



YT-2501 Body



YT-2501L Sensor

YT-2501R Sensor

YT-2501 Smart Positioner supplies remote functions and higher liabilities in **high temperature and vibration environment**.

- Separated feedback module
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Fail freeze & safe function