

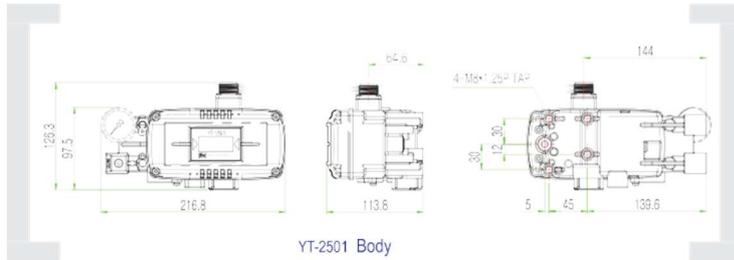
Smart Positioner YT-2501

Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection	Communication	Option	Fail Option	Cable Length
				Linear	Rotary					
YT-2501	L Linear	S Single	N Non-Explosion	1 10~40mm	5 NAMUR	1 G1/2 - PT 1/4	0 NONE	0 NONE	F Fail Freeze	1 5m
	R Rotary	D Double	I ATEX, IECEx, KCs	2 20~70mm		2 G1/2 - NPT1/4	2 + HART	1 +PTV	S Fail Safe	2 10m
				4 100~150mm		3 G1/2 - G1/4				3 15m
				3 50~100mm		4 M20 - NPT1/4 *1				4 20m
						5 NPT1/2 - NPT1/4				

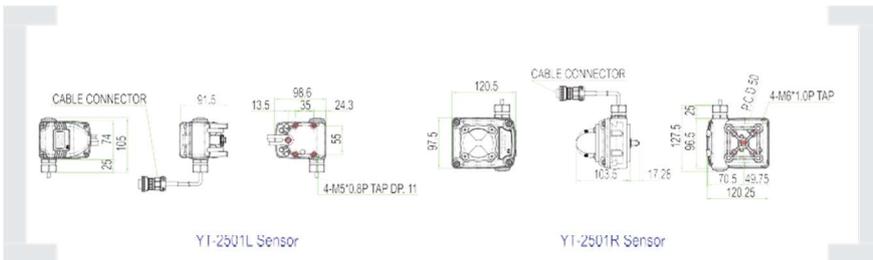
*1 M20 adapter is attached to conduit entry



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 @ 20mADC	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M2C	
Operating 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	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	
Ingress Protection	IP66	
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex iaD IIC T85°C/T100°C IP6X KCs Ex ia IIC T5/T6, Ex iaD IIC T100°C/T85°C	
Communication(Optional)	HART(ver.5)	
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
- Auto calibration
- LCD display
- Near zero air consumption level
- PD control
- Feedback signal
- HART communication
- 4 buttons for local control
- Fail freeze & safe function