

# Smart Positioner YT-3301

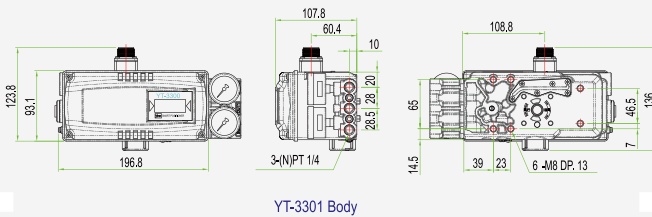
Product Number: YT-3301         (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option	Ambient Temp	Cable Length *
				Linear	Rotary					
YT-3301	<span style="border: 1px solid black; padding: 1px;">L</span> Linear	<span style="border: 1px solid black; padding: 1px;">S</span> Single	<span style="border: 1px solid black; padding: 1px;">n</span> Non-Explosion	<span style="border: 1px solid black; padding: 1px;">1</span> 10~40mm	<span style="border: 1px solid black; padding: 1px;">5</span> NAMUR	<span style="border: 1px solid black; padding: 1px;">1</span> PT	<span style="border: 1px solid black; padding: 1px;">0</span> NONE	<span style="border: 1px solid black; padding: 1px;">0</span> NONE	<span style="border: 1px solid black; padding: 1px;">S</span> -30°C~ 85°C	<span style="border: 1px solid black; padding: 1px;">1</span> 5m
	<span style="border: 1px solid black; padding: 1px;">R</span> Rotary	<span style="border: 1px solid black; padding: 1px;">D</span> Double	<span style="border: 1px solid black; padding: 1px;">i</span> Ex ia IIC T6/T5	<span style="border: 1px solid black; padding: 1px;">2</span> 20~70mm		<span style="border: 1px solid black; padding: 1px;">2</span> NPT	<span style="border: 1px solid black; padding: 1px;">2</span> + HART	<span style="border: 1px solid black; padding: 1px;">1</span> + PTM	<span style="border: 1px solid black; padding: 1px;">L</span> -40°C~ 85°C	<span style="border: 1px solid black; padding: 1px;">2</span> 10m
				<span style="border: 1px solid black; padding: 1px;">3</span> 50~100mm						<span style="border: 1px solid black; padding: 1px;">3</span> 15m
				<span style="border: 1px solid black; padding: 1px;">4</span> 100~150mm						<span style="border: 1px solid black; padding: 1px;">4</span> 20m

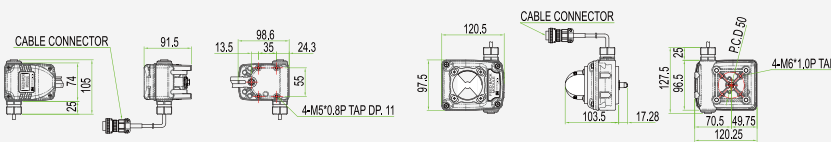
\* Maximum cable length is 20m.



Item · Type	YT-3301L	YT-3301R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max 450Ω @ 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 ~ 85°C (-22~185°F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
	LCD Operating Temp.	-30°C ~ 85°C (-22~185°F)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	Body	2kg (4.4lb)
	Sensor	0.6kg (1.3lb)    0.9kg (2.0lb)



YT-3301 Body



YT-3301L Sensor

YT-3301R Sensor

YT-3301 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Separated feedback module
- Auto/Manual switch
- HART communication
- Auto calibration
- PID control
- 4 buttons for local control
- LCD display
- Feedback signal