

# Smart Positioner YT-3400 / YT-3450

Product Number: YT-3400 / YT-3450        (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type *	Communication	Option *	Ambient Temp
				Linear	Rotary				
YT-3400	<span style="border: 1px solid black; padding: 0 2px;">L</span> Linear	<span style="border: 1px solid black; padding: 0 2px;">S</span> Single	<span style="border: 1px solid black; padding: 0 2px;">C</span> Ex d IIC T6	<span style="border: 1px solid black; padding: 0 2px;">1</span> 10~40mm	<span style="border: 1px solid black; padding: 0 2px;">1</span> M6 × 34L	<span style="border: 1px solid black; padding: 0 2px;">1</span> PT	<span style="border: 1px solid black; padding: 0 2px;">0</span> NONE	<span style="border: 1px solid black; padding: 0 2px;">0</span> NONE	<span style="border: 1px solid black; padding: 0 2px;">S</span> -30°C ~ 85°C
YT-3450	<span style="border: 1px solid black; padding: 0 2px;">R</span> Rotary	<span style="border: 1px solid black; padding: 0 2px;">D</span> Double		<span style="border: 1px solid black; padding: 0 2px;">2</span> 20~70mm	<span style="border: 1px solid black; padding: 0 2px;">2</span> M6 × 63L	<span style="border: 1px solid black; padding: 0 2px;">2</span> NPT	<span style="border: 1px solid black; padding: 0 2px;">2</span> + HART	<span style="border: 1px solid black; padding: 0 2px;">1</span> +PTM	<span style="border: 1px solid black; padding: 0 2px;">L</span> -40°C ~ 85°C
				<span style="border: 1px solid black; padding: 0 2px;">3</span> 50~100mm	<span style="border: 1px solid black; padding: 0 2px;">3</span> M8 × 34L	* YT-3450 is available for NPT1/4 connection type ONLY.		<span style="border: 1px solid black; padding: 0 2px;">2</span> +L/S	
				<span style="border: 1px solid black; padding: 0 2px;">4</span> 100~150mm	<span style="border: 1px solid black; padding: 0 2px;">4</span> M8 × 63L			<span style="border: 1px solid black; padding: 0 2px;">3</span> +PTM+L/S	
					<span style="border: 1px solid black; padding: 0 2px;">5</span> NAMUR			<span style="border: 1px solid black; padding: 0 2px;">4</span> <b>PTM+Bracket 3400L</b>	
								<span style="border: 1px solid black; padding: 0 2px;">5</span> <b>PTM+Bracket 3400R</b>	

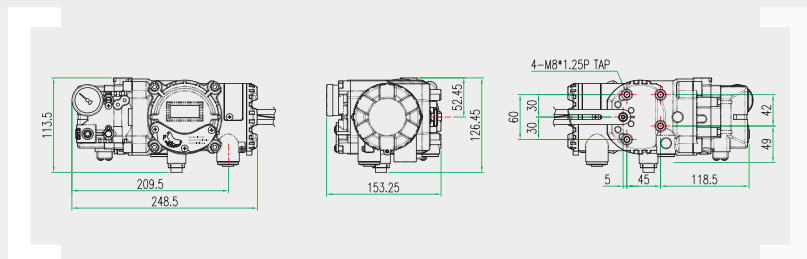
\* L/S: DC24V and transistor type switch.



YT-3400R



YT-3450R



Item · Type	YT-3400	YT-3450
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.450 Ω @ 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.	Standard Type.	-30°C ~ 85°C (-22~185° F)
	Low Temp Type.	-40°C ~ 85°C (-40~185° F)
	Explosion Temp.	-40°C~70°C(T6) / -40°C~85°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	Stainless Steel 316
Enclosure	IP66	
Explosion Proof type	Ex d IIC T6 / T5	
Weight	3.4kg (7.5lb)	7.0kg(15.4lb)

YT-3400 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Auto calibration
- PID control
- HART communication
- Auto/Manual switch
- Feedback signal
- 4 buttons for local control
- LCD display
- Limit switches