

# Smart Positioner YT-3300 / YT-3350

Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection *2	Communication	Option	Operating Temp
				Linear *1	Rotary				
YT-3300	<b>L</b> Linear	<b>S</b> Single	<b>N</b> Non-Explosion	<b>0</b> 10~40mm	<b>1</b> M6 × 34L	<b>1</b> G1/2 - PT1/4	<b>0</b> NONE	<b>0</b> NONE	<b>S</b> -30°C ~ 85°C
YT-3350	<b>R</b> Rotary	<b>D</b> Double	<b>I</b> ATEX, IECEx, NEPSI, KCs <b>A</b> CSA, FM	<b>1</b> 20~100mm <b>2</b> 90~150mm <b>3</b> 16~30mm <b>4</b> 16~60mm <b>5</b> 16~100mm <b>6</b> 90~150mm	<b>2</b> M6 × 63L <b>3</b> M8 × 34L <b>4</b> M8 × 63L <b>5</b> NAMUR	<b>2</b> G1/2 - NPT1/4 <b>3</b> G1/2 - G1/4 <b>4</b> M20 - NPT1/4 *3 <b>5</b> NPT1/2 - NPT1/4	<b>2</b> + HART	<b>1</b> + PTM <b>2</b> + L/S(Mechanical Type) <b>3</b> + L/S(Proximity Type) <b>4</b> + PTM+L/S(Mechanical Type) <b>5</b> + PTM+L/S(Proximity Type)	<b>L</b> -40°C ~ 85°C

\*1 Lever 3~6 is adapter lever type.

\*2 YT-3350 is available for No.2 ONLY.

\*3 M20 adapter is attached to conduit entry



SIL2 / SIL3



YT-3300

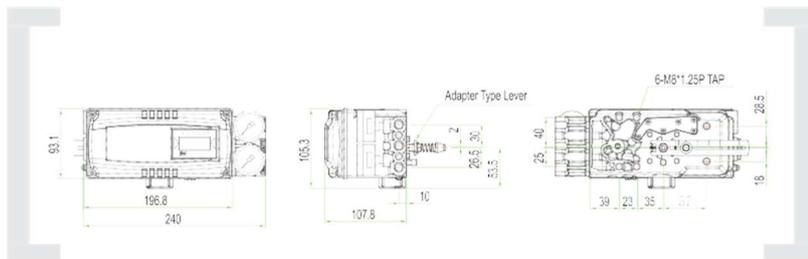
Item - Type	YT-3300	YT-3350
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	Linear Type	10~150mm
	Rotary Type	0 ~ 90°
Impedance	Max.500Ω @ 20mADC	
Air Connection	PT(NPT,G)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	G(PF,NPT)1/2,M20	G(PF)1/2
Operating Temp	Standard Type.	-30°C ~ 85°C (-22~185°F)
	Low Temp. Type.	-40°C ~ 85°C (-40~185°F)
LCD Operating Temp.	-30°C ~ 85°C (-22~185°F)	
Ambient Temp. of Explosion Proof	-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	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
	Ingress Protection IP66	
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex iaD IIIC T100°C/T85°C Ds IP66	
	NEPSI Ex ia IIC T5/ T6	
Explosion Protection Type	KCs Ex ia IIC T5/T6 EX iaD IIIC T100°C/T85°C	
	CSA Pending	
Explosion Protection Type	FM Class I, Div 1, Groups ABCD Class I, Zone 0 AEx ia IIC Class I, III, Div 1, Groups EFG Class I, II, III, Div 2, Groups ABCDEFG NEMA Type 4 IP66 AMBIENT TEMP: -40°C ~ 60°C (T5) / -40°C ~ 40°C (T6)	
	Communication(Optional) HART(ver.7)	
L/S	Mechanical Type(Omron)	AC 125V, 3A DC 30V, 2A
Rating	Proximity Type(P&F)	DC 8.2V 8.2mA
Weight	2kg (4.4lb)	5.1kg (11.2lb)



YT-3300+L/S



YT-3350



YT-3300 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

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