

Smart Positioner YT-3400 / YT-3450

Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection *1	Communication	Option *3	Operating Temp
				Linear	Rotary				
YT-3400	L Linear	S Single	C ATEX, IECEx, NEPSI, KCs	1 10~40mm	1 M6×34L	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C ~ 85°C
YT-3450	R Rotary	D Double	A CSA, FM	2 20~70mm	2 M6×63L	2 G1/2 - NPT1/4	2 +HART	1 +PTM 2 +L/S 3 +PTM+L/S	L -40°C ~ 85°C
				3 50~100mm	3 M8×34L	3 G1/2 - G1/4			
				4 100~150mm	4 M8×63L	4 M20 - NPT1/4 *2			
				5 NAMUR	5 NPT1/2 - NPT1/4				

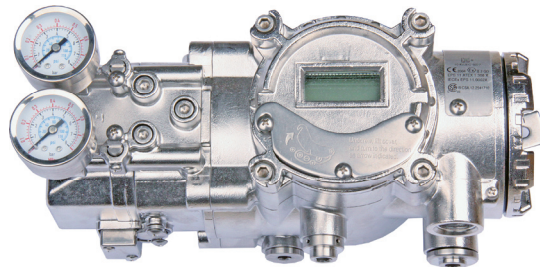
*1 YT-3450 is available for No.2 ONLY.

*2 M20 adapter is attached to conduit entry

*3 L/S: DC24V and Transistor Type Switch.

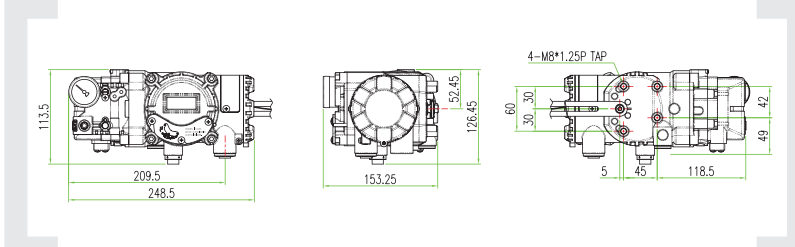


YT-3400



YT-3450

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.450Ω @ 20mA DC	
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	-40~80°C(T5) / -40~70°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 db IIC T5/T6, Ex tb IIIC T85°C/T100°C NEPSI Ex db IIC T5/ T6, DIP A21 TA, T5/T6 KCs Ex d IIC T5/T6 IP66 CSA Ex db IIC T5 or T6 Class I, Zone 1, AEx db IIC T5 or T6, Class II, Division 1, Groups E, F and G; Ex tb IIC T85°C/T100°C AEx tb IIIC T85°C/T100°C FM XP/II/1/ABCD/T6 Ta= -40°C to +70°C, T5 Ta= -40°C to +80°C I/1/AEx db IIC/T6 Ta= -40°C to +70°C, T5 Ta= -40°C to +80°C DIP/II, III/1/EFG/T6 Ta= -40°C to +70°C, T5 Ta= -40°C to +80°C 21/AEx tb IIIC/T85°C Ta= -40°C to +70°C, T100°C Ta= -40°C to +80°C; IP66	
Communication(Optional)	HART(ver.7)	
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
- Auto/Manual switch
- LCD display
- PID control
- Feedback signal
- Limit switche
- HART communication
- 4 buttons for local control