

Smart Positioner

YT-3301

Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection	Communication	Option	Operating Temp	Cable Length
				Linear	Rotary					
YT-3301	L Linear	S Single	N Non-Explosion	1 10~40mm	5 NAMUR	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C~ 85°C	1 5m
	R Rotary	D Double	I ATEX, IECEx, NEPSI, KCs	2 20~70mm		2 G1/2 - NPT1/4	2 +HART	1 +PTM	L -40°C~ 85°C	2 10m
			A CSA, FM	3 50~100mm		3 G1/2 - G1/4				3 15m
				4 100~150mm		4 M20 - NPT1/4 *1				4 20m
						5 NPT1/2 - NPT1/4				

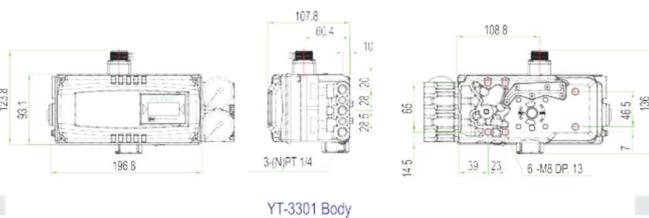
*1 M20 is adapter type



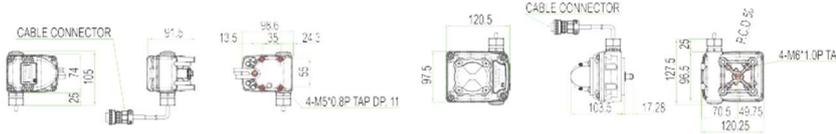
SIL2 / SIL3



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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	
Operating Temp	Sensor Operating Temp.	-40°C ~ 120°C(-40~248°F)
Temp	Body Operating Temp.	-30°C ~ 85°C(-22~185°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	
Ingress Protection	IP66	
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb EX iaD IIIC T100°C/T85°C Db IP66 NEPSI Ex ia IIC T5/ T6 KCs Ex ia IIC T5/T6, EX iaD IIIC T100°C/T85°C CSA Pending FM Class I, Div 1, Groups ABCD Class I, Zone 0 AEx ia IIC Class III/II, 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)	
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 calibration
- LCD display
- Auto/Manual switch
- PID control
- Feedback signal
- HART communication
- 4 buttons for local control