

Smart Positioner YT-3303

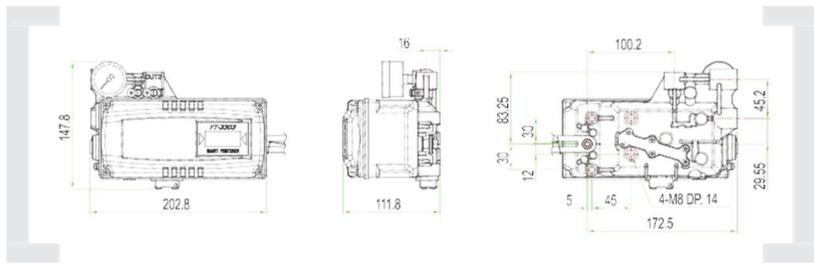
Model	Motion Type	Acting Type	Explosion Protection	Lever Type		Conduit - Air Connection	Communication	Option	Operating Temp
				Linear	Rotary				
YT-3303	L Linear	S Single	N Non-Explosion	1 10~40mm	1 M6×34L	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C~ 85°C
	R Rotary	D Double	I ATEX, IECEx, NEPSI, KCs	2 20~70mm	2 M6×63L	2 G1/2 - NPT1/4	2 +HART	1 +PTM	L -40°C~ 85°C
			A CSA, FM	3 50~100mm	3 M8×34L	3 G1/2 - G1/4			
				4 100~150mm	4 M8×63L	4 M20 - NPT1/4 *1 NPT1/2 - NPT1/4 *2			

*1 M20 adapter is attached to conduit entry
*2 NPT 1/2 adapter is attached to conduit entry.



YT-3303

Item - Type	YT-3303
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 @ 20mA DC
Air Connection	PT(NPT,G)1/4
Gauge Connection	PT(NPT)1/8
Conduit Operating Temp	Standard Type: -30°C ~ 85°C (-22~185°F) Low Temp. Type: -30°C ~ -85°C (-22~185°F)
LCD Operating Temp.	-40~60°C(T5) / -40~40°C(T6)
Ambient Temp. of Explosion Proof	± 0.5% F.S
Linearity	± 0.5% F.S
Hysteresis	± 0.2% F.S
Sensitivity	± 0.3% F.S
Repeatability	
Air Consumption	Below 2LPM (sup=0.14MPa)
Flow Capacity	70LPM (sup=0.14MPa)
Output Characteristics	Linear, IEC 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 Dc IP66 NEPSI Ex ia IIC T5/ T6 KCs Ex ia IIC T5/T6 Gb, Ex iaD IIIC T100°C/T85°C Dc CSA Pending FM Class I, Div 1, Groups ABCD Class I, Zone 0 AEx ia IIC Class III, Div 1, Groups EFG Class I, II, III, Div 2, Groups ABCDEFG NEMA Type 4 IP66
Communication(Optional)	AMBIENT TEMP: -40°C ~ 60°C (T5) / -40°C ~ 40°C (T6)
Weight	HART (4.4lb)



YT-3303 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

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