

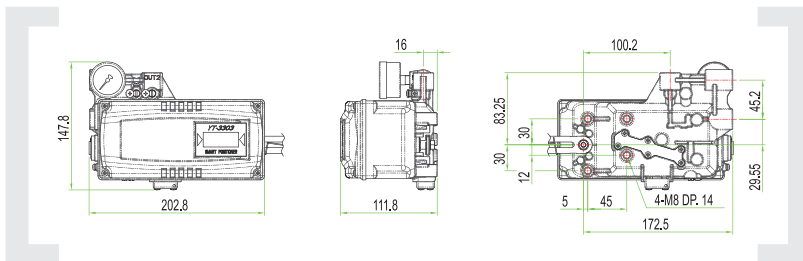
Smart Positioner YT-3303

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			
					5 NAMUR	5 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	G(PF,NPT)1/2, M20	
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	
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 Gb, Ex iaD IIIC T100°C/T85°C Db
	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 AMBIENT TEMP: -40°C ~ 60°C (T5) / -40°C ~ 40°C (T6)
Communication(Optional)	HART(ver.7)	
Weight	2kg (4.4lb)	

YT-3303 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
- HART communication
- 4 buttons for local control