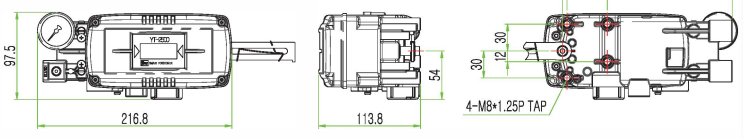
Smart Positioner YT-2500 / YT2550

Model	Motion Type	Acting Type	Explosion Protection	Lever Type: Linear	Lever Type: Rotary	Conduit - Air Connection *1	Communication	Option	Fail Option
YT-2500	L Linear	S Single	N Non-Explosion	1 10~40mm	1 M6×34L	G1/2 - PT1/4	0 NONE	0 NONE	F Fail Freeze
YT-2550	R Rotary	D Double	I ATEX, IECEx, NEPSI, KCs	2 20~70mm	2 M6×63L	G1/2 - NPT1/4	2 + HART	1 + PTM	S Fail Safe
				3 50~100mm	3 M8×34L	G1/2 - G1/4		2 + L/S(Mechanical Type)	
				4 100~150mm	4 M8×63L	M20 - NPT1/4 *2		3 + L/S(Proximity Type)	
					5 NAMUR	NPT1/2 - NPT1/4		4 + PTM+L/S(Mechanical Type)	
								5 + PTM+L/S(Proximity Type)	

*1 YT-2550 is available for No.2 ONLY. *2 M20 adapter is attached to conduit entry

YT-2500

YT-2550



Item · Type		YT-2500	YT-2550
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	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	Operating Temp.	-30℃ ~ 80℃ (-22~176° F)	
	Explosion Temp.	-40~60℃(T5) / -40~40℃(T6)	
Linearity		±0.5% F.S.	
Hysteresis		±0.5% F.S.	
Sensitivity		±0.2% F.S.	
Repeatability		±0.3% F.S.	
Air Consumption	Fail Freeze	0.01LPM(sup=0.14MPa)	
	Fail Safe	6 LPM(sup=0.14MPa)	
Flow Capacity	Fail Freeze	60 LPM(sup=0.14MPa)	
	Fail Safe	40 LPM(sup=014MPa)	
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 IIC T85℃/T100℃ IP6X NEPSI Ex ia IIC T5/T6 KCs ia IIC T5/T6, EX iaD IIIC T100℃/T85℃	
Communication(Option)		HART(ver.5)	
L/S Rating	Mechanical Type(Omron)	AC 125V, 3A DC 30V, 2A	
	Proximity Type(P&F)	DC 8.2V 8.2mA	
Weight		1.5kg (3.3lb)	2.9kg (6.4lb)

YT-2500 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Fail freeze function
- Auto calibration
- LCD display
- Near zero air consumption level
- PD control
- Feedback signal
- HART communication
- 4 buttons for local control
- Limit switch