

# Smart Positioner YT-2550

Product Number: YT-2550       (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option	Fail Option
				Linear	Rotary				
YT-2550	<b>L</b> Linear	<b>S</b> Single	<b>n</b> Non-Explosion	<b>1</b> 10~40mm	<b>1</b> M6×34L	<b>1</b> PT	<b>0</b> NONE	<b>0</b> NONE	<b>F</b> Fail Freeze
	<b>R</b> Rotary	<b>D</b> Double	<b>i</b> Ex ia IIC T6/T5	<b>2</b> 20~70mm	<b>2</b> M6×63L	<b>2</b> NPT	<b>2</b> + HART	<b>1</b> + PTM	<b>S</b> Fail Safe
				<b>3</b> 50~100mm	<b>3</b> M8×34L			<b>2</b> + L/S(Mechanical Type)	
				<b>4</b> 100~150mm	<b>4</b> M8×63L			<b>3</b> + L/S(Proximity Type)	
					<b>5</b> NAMUR			<b>4</b> + PTM+L/S(Mechanical Type)	
								<b>5</b> + PTM+L/S(Proximity Type)	

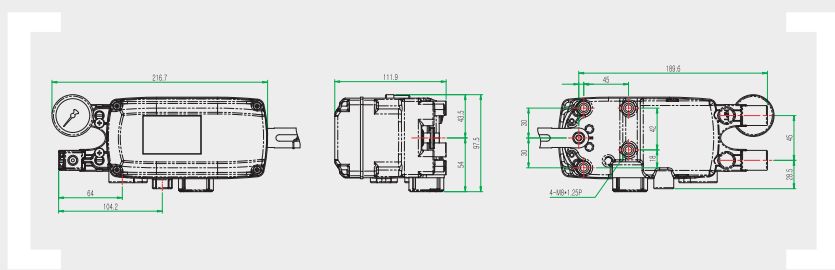


YT-2550R



YT-2550R+L/S

Item · Type	YT-2500L	YT-2500R
Input Signal	4~20mA DC	
Supply Pressure	1.4 ~ 7kgf /cm <sup>2</sup> (0.14 ~ 0.7MPa)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.460Ω / 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Repeatability	±0.3% F.S.	
Ambient Temp.	Operating Temp.	-30°C ~ 85°C (-22~185° F)
	Explosion Temp.	-40~60°C (T5)/-40~40°C (T6)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Air Consumption	0.01LPM(sup=1.4k)	
Flow Capacity	50LPM	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Stainless steel 316	
Protection	IP66	
Explosion Proof type	Ex ia IIC T6/T5	
Weight	2.9kg (6.4lb)	

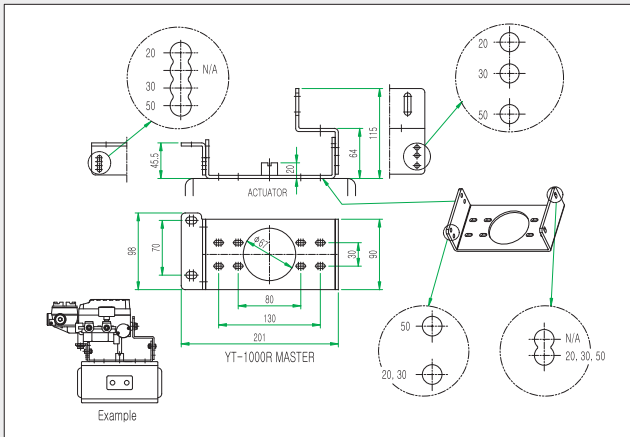


YT-2550 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

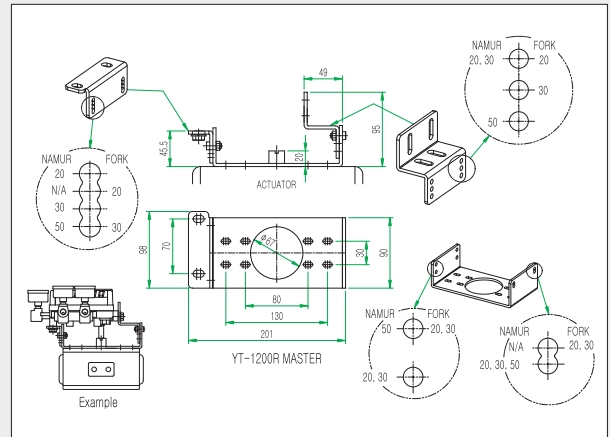
- Fail freeze function
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Limit switches (option)

# Bracket, Lever

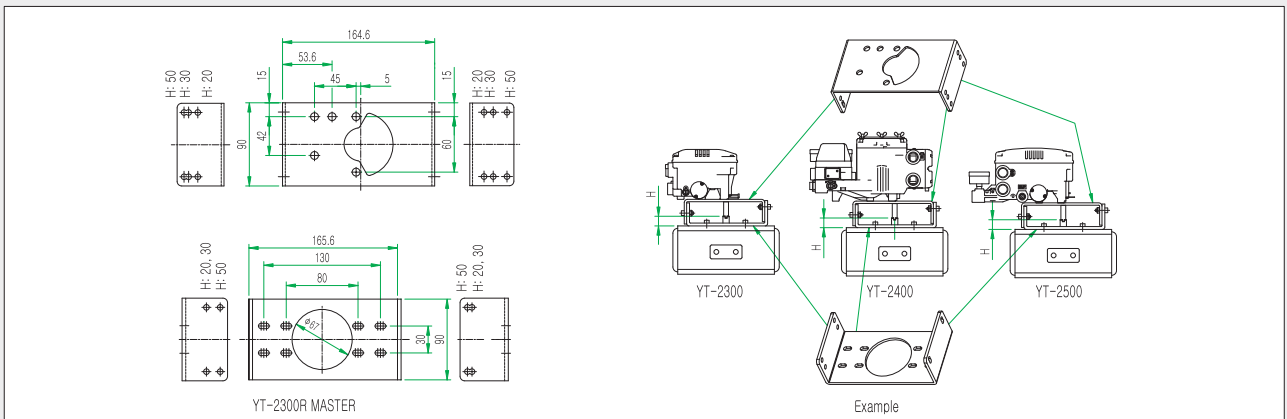
## YT-1000R Bracket Series



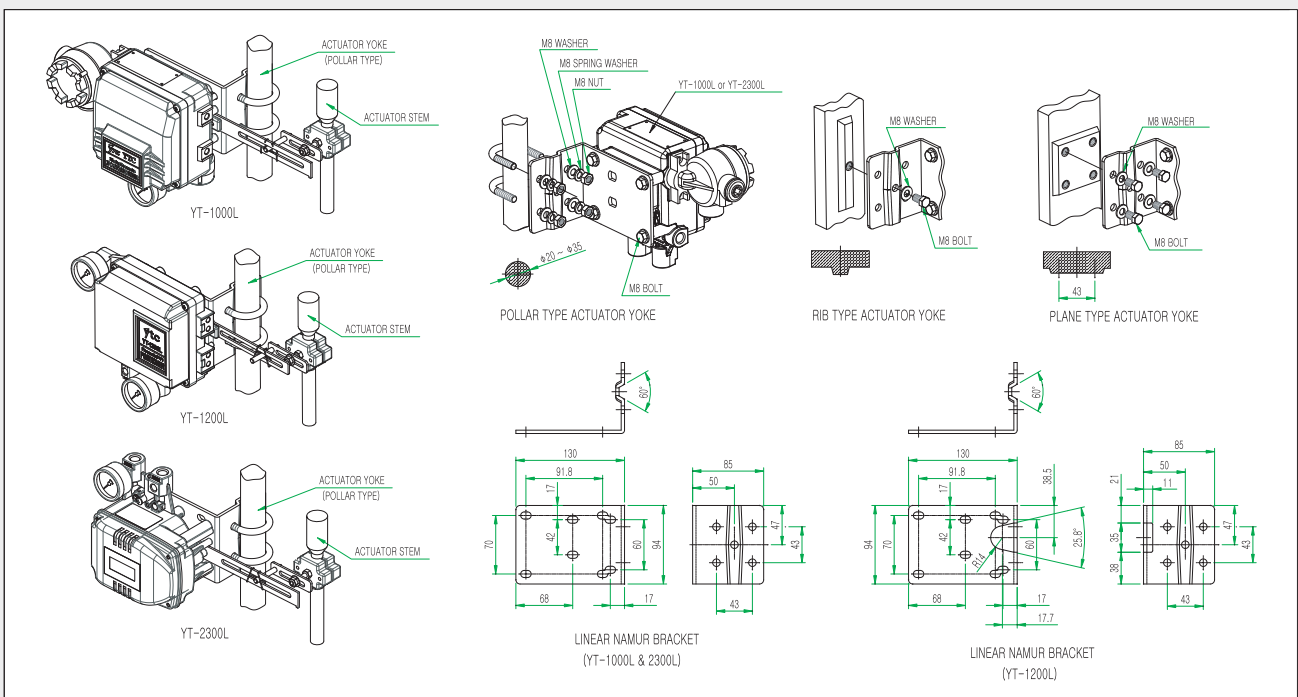
## YT-1200R Bracket Series



## YT-1300R & YT-1350R & YT-2300R & YT-2350R & YT-2400R & YT-2500R Bracket Series

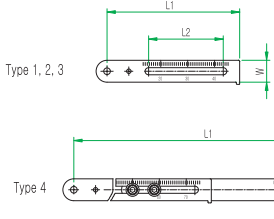


## YT-1000L & YT-1200L & YT-2300L & YT-2500L Namur Bracket Series



# Bracket, Lever

## Lever Series

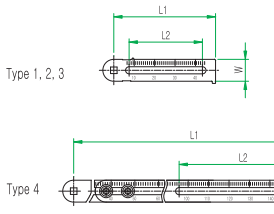


Type 1, 2, 3

Lever Type	Stroke(mm)	L1(mm)	L2(mm)	W(mm)
1	10~40	121.2	68.2	20.0
2	30~70	195.0	120.0	
3	60~100	277.0	122.0	
4	110~150	400.0	122.0	

Type 4

YT-1000 & 1200 Linear Type

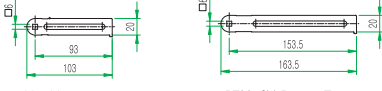


Type 1, 2, 3

Lever Type	Stroke(mm)	L1(mm)	L2(mm)	W(mm)
1	10~40	93.0	67.0	20.0
2	20~70	153.5	106.5	
3	50~100	214.0	117.0	
4	100~150	307.3	117.0	

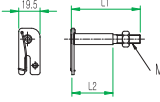
Type 4

YT-1300 & 1350 & 2300 & 2301 & 2350 & 2400 & 2500 & PTM-5V & 6V Linear Type



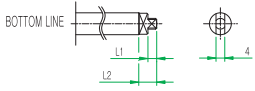
PTM-5V Rotary Type

PTM-6V Rotary Type



Lever Type	L1(mm)	L2(mm)	M
1	34	9	M6
2	63	37	
3	34	9	M8
4	63	37	

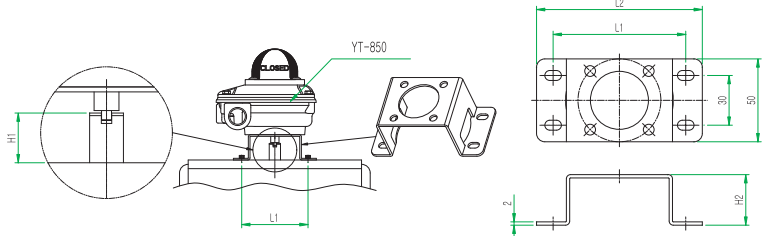
Rotary Type



Model	L1(mm)	L2(mm)
YT-1000, 1200	7	11
YT-2300, 2400, 2500	4	8

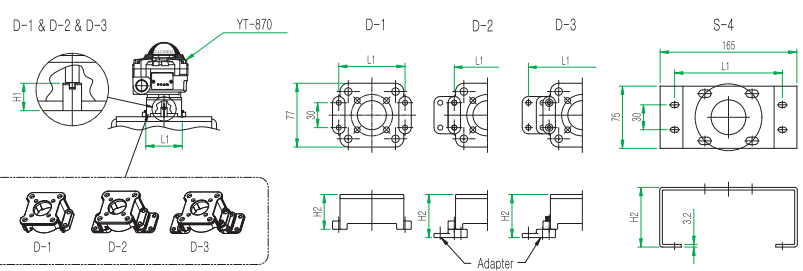
Namur Type

## YT-850 Bracket Series



MODEL NO.	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	REMARK
ST-1	20	30.5	80	100	
ST-2	30	40.5			
ST-3	30	40.5	130	150	
ST-4	50	60.5			

## YT-870 Bracket Series



MODEL NO.	H1(mm)	H2 (mm)	L1 (mm)	REMARK
D-1	20	42	80	
D-2	30	52		
D-3	30	52		
S-4	50	72	130	