

# Smart Positioner YT-2600

Piezo technology with communications

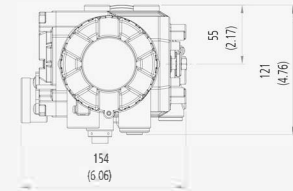
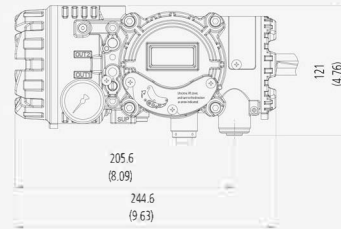
## Design features

- **Fail Freeze and Fail Safe function.** Enables the valve maintain the last position (Fail Freeze) or move to a pre-determined position (Fail Safe) on the loss of electrical power supply or the pneumatic supply air.
- **Explosionproof / Flameproof Housing.** Global certification for Zone 1 and Division 1 installations
- **Auto calibration.** Simple menu structure with options to auto calibrate all parameters or zero and end points only.
- **LCD display.** Alphanumeric digital display for process values and calibration.

- **Low air consumption level.** Almost zero air leakage.
- **Feedback signal.** Analogue feedback signals with 4 to 20 mA, transistor switch options.
- **PD control.** Pre-calibrated and user configurable variables via front panel pushbutton menu.
- **HART® communication.** Allows commands, position feedback and diagnostics to be sent digitally over the current loop.
- **Front panel pushbuttons for configuration.** 4 robust and positive acting pushbuttons for field configuration.



## YT-2600 Aluminium Exd Positioner



Dimensions: mm (Inches \*)

Item Type	YT-2600	
Input Signal	4 to 20 mA DC	
Supply Pressure	0.14 to 0.7 MPa (1.4 to 7 bar)	
Stroke	Linear Type	10 to 150 mm
	Rotary Type	0 to 90°
Impedance	Max. 450 Ω @ 20 mA 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 to 80 °C (-22 to 176 °F)
	LCD	-30 to 85 °C (-22 to 185 °F)
	Explosion Temp.	-40 to 80 °C (T5) -40 to 70 °C (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	0.01 LPM (sup = 0.14 MPa)
	Fail Safe	6 LPM (sup = 0.14 MPa)
Flow Capacity	Fail Freeze	50 LPM (sup = 0.14 MPa)
	Fail Safe	40 LPM (sup = 0.14 MPa)
Output Characteristics	Linear, EQ%, Quick Open user set (18 Point)	
Material	Aluminium Diecasting	
Ingress Protection	IP66	
Explosion Protection Type	ATEX, IECEx Ex db IIC T5/T6, Ex tb IIIC T85°C/T100°C KCs Exd IIC T5/T6 IP66	
Communication (Option)	HART (ver.5)	
Weight	3.0 kg (6.61 lb)	

## Product Code

**YT-2600 - L - S - C - 2 - 4 - 2 - 3 - S**

### Model

YT-2600 = Aluminum housing

### Motion Type

L = Linear  
R = Rotary

### Acting Type

S = Single  
D = Double

### Explosion Protection

C = ATEX, IECEx, KCS

### Lever Type

Linear	Rotary
1 = 10 to 40 mm	1 = M6 x 34L
2 = 20 to 70 mm	2 = M6 x 63L
3 = 50 to 100 mm	3 = M8 x 34L
4 = 100 to 150 mm	4 = M8 x 63L
	5 = NAMUR

### Conduit & Air Connection

1 = G1/2 - PT1/4  
2 = G1/2 - NPT1/4  
3 = G1/2 - G1/4  
4 = M20 - NPT1/4  
5 = NPT1/2 - NPT1/4

### Communications

0 = NONE  
2 = HART protocol communication

### Output Options

0 = NONE  
1 = 4 to 20 mA feedback  
2 = Limit switch  
3 = 4 to 20 mA feedback + Limit switch

### Fail Option

F = Fail Freeze  
S = Fail Safe