

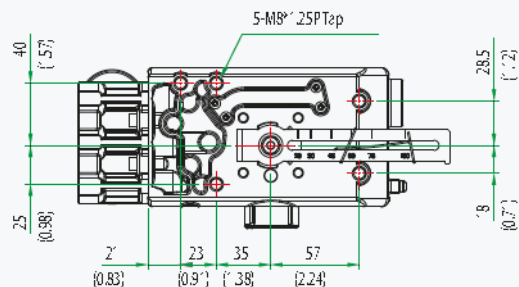
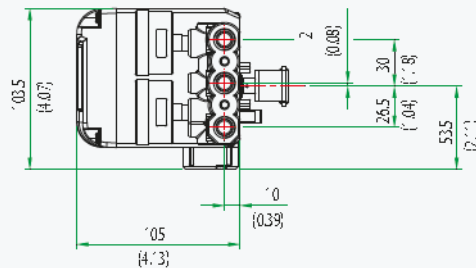
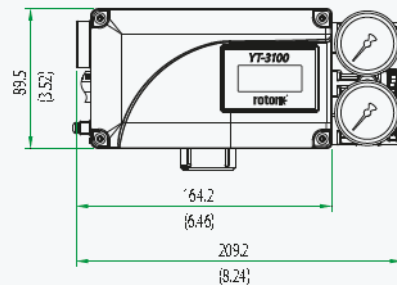
Compact Smart Positioner YT-3100

Design features

- **Compact.** Reliable and precise Smart Positioner, for linear and quarter-turn rotary actuators. Both single- and double-acting layouts are available.
- **Gauge manifold.** An option to keep the unit as compact as possible when gauges are not required.
- **Smart management system.** A clear and easy to navigate menu with four push buttons.
- **Visual self diagnostic.** Rated to NE107 standard for a user friendly and simplified troubleshooting process.
- **Position feedback.** 4-20 mA analogue completes the package, assuring full process control.
- **Non-contact sensor** for increased performance for high frequency operating valves and an enhanced lifetime.



YT-3100 Aluminium Enclosure With Polycarbonate Cover



Dimensions: mm (Inches *)

Compact Smart Positioner YT-3100

Item Type	YT-3100	
Input Signal	4 to 20 mA DC	
Supply Pressure	0.14 to 0.7 MPa = 1.4 to 7 bar = 20 to 102 psi	
Stroke	Linear Type	10 to 150 mm (0.4 to 6")
	Rotary Type	55 to 110°
Impedance	Max. 500 Ω @ 20 mA DC	
Air Connection	Rc ¼, ½ NPT	
Gauge Connection	Rc ⅜, ½ NPT	
Conduit	G ½	
Operating Temp.	-30 to +85 °C (-22 to +185 °F)	
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2 LPM (sup = 0.14 MPa) Below 0.07 CFM (sup = 20 psi)	
Flow Capacity	70 LPM (sup = 0.14 MPa) 2.47 CFM (sup = 20 psi)	
Output Characteristics	Linear, EQ%, Quick Open, User Sel	
Material	Housing: Aluminium Diecasting Cover: Polycarbonate	
Ingress Protection	IP66	
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb KCs Ex ia IIC T5/T6 CCC, NEPSI Ex ia IIC T5/T6 Gb Ambient Temp: -30 to +60 °C (T5) / -30 to +40 °C (T6)	
Weight	1.7 kg (3.7 lb)	

Product Code

YT-3100 - L - S - N - 2 - 1 - 1 - 1 - S

Model

YT-3100 = Aluminium housing and Polycarbonate cover

Motion Type

L = Linear
R = Rotary

Acting Type

S = Single
D = Double

Explosion Protection

N = Safe Area
I = Intrinsically Safe KCs, ATEX, IECEx, NEPSI
Z = Intrinsically Safe CCC

Lever Type

Linear Rotary
0 = 10 to 40 mm 5 = NAMUR
1 = 20 to 100 mm
2 = 90 to 150 mm

Conduit & Air Connection

1 = G ½ - Rc ¼
2 = G ½ - ½ NPT

Gauges Block

0 = NONE
1 = Gauges block

Options

0 = NONE
1 = PTM 4-20 mA feedback

Operating Temp.

S = -30 to +85 °C (-22 to +185 °F)