

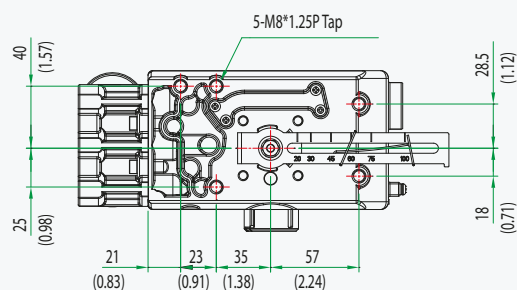
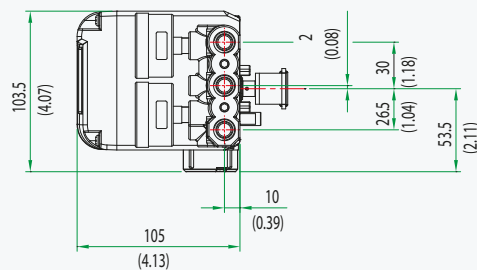
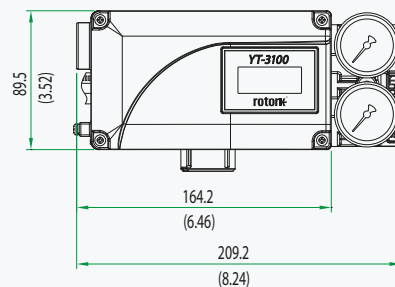
Compact Smart Positioner YT-3100

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.



YT-3100 Aluminium Enclosure



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, ¼ NPT
Gauge Connection		Rc ⅛, ⅛ 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 Set
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 - ¼ 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)