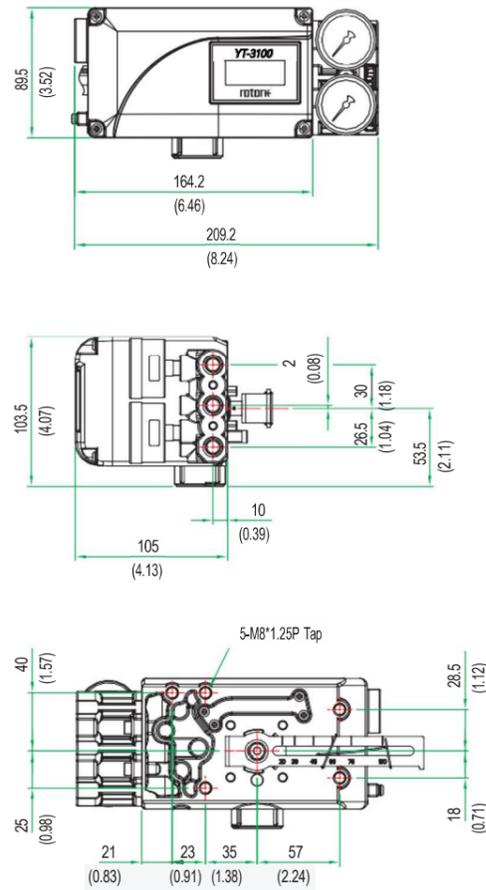


Design features

- **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 ")

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 1/4, 1/4 NPT	
Gauge connection	Rc 1/8, 1/8 NPT	
Conduit	G 1/2	
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 / CCC Ex ia IIC T5/T6 Gb KCs Ex ia IIC T5/T6	
	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 1/2 - Rc 1/4
2 = G 1/2 - 1/4 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)