



Keeping the World Flowing

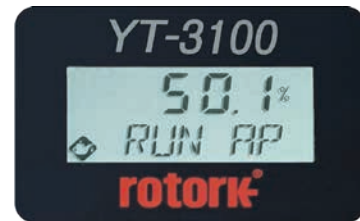
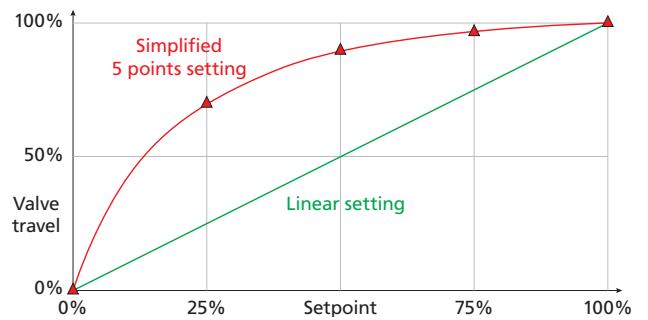


# YT-3100

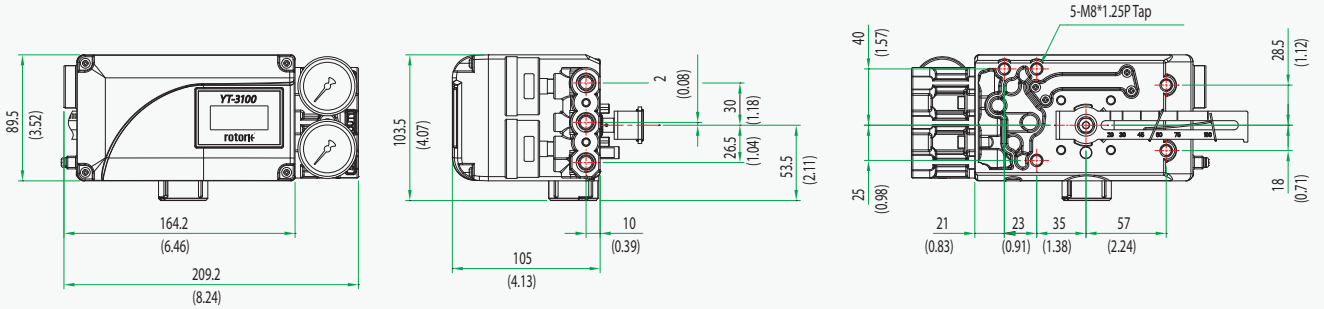
Compact Smart Positioner

### 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 \*)



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	G1/2	
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	<b>ATEX, IECEx</b> Ex ia IIC T5/T6 Gb  <b>KCs</b> Ex ia IIC T5/T6  <b>NEPSI</b> Certification in progress  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

### 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 = G1/2 - Rc 1/4  
2 = G1/2 - 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)

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