

Keeping the World Flowing

YT-3100

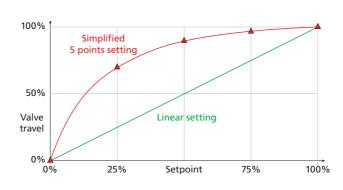
Design features

• 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.

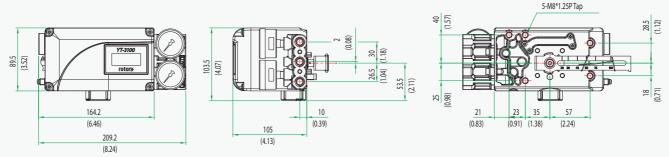
Compact Smart Positioner







YT-3100 Aluminium Enclosure



Dimensions: mm (Inches ")

rotork



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Compact Smart Positioner

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		ATEX, IECEx Ex ia IIC T5/T6 Gb		
		KCs Ex ia IIC T5/T6		
		NEPSI 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

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Model YT-3100 = Aluminium h and Polycarbon			
Motion Type L = Linear R = Rotary			
Acting Type S = Single D = Double			
Explosion Protection N = Safe Area I = Intrinsically Safe KC	s, ATEX, IEC	Ex, NEPSI	
	otary = NAMUR		
Conduit & Air Connec 1 = G1/2 - Rc 1/4 2 = G1/2 - 1/4 NPT	tion		
Gauges Block 0 = NONE 1 = Gauges block			
Options 0 = NONE 1 = PTM 4-20 mA feed	back		
Operating Temp. S = -30 to +85 °C (-22	to +185 °F)		

A full listing of the Rotork sales and service network is available on our website.

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