



2.4 Product Code

YT-1200 1 2 3 4 5 6 7

1 Motion type	L :	Linear
	R :	Rotary
2 Acting type	S :	Single
	D :	Double
3 Lever Type	Linear	1 : 10 ~ 40 mm
		2 : 30 ~ 70 mm
		3 : 60 ~ 100 mm
		4 : 100 ~ 150 mm
	Rotary	1 : M6 x 34L
		2 : M6 x 63L
		3 : M8 x 34L
		4 : M8 x 63L
		5 : NAMUR
4 Orifice Type	1 :	Ø1
	2 :	Ø2
	3 :	None
5 Air Connection Type	1 :	Rc 1/4
	2 :	1/4 NPT
6 Ambient Temp.	S :	-20 ~ 70 °C (-4 ~ 158 °F)
	H :	-20 ~ 120 °C (-4 ~ 248 °F)
	L :	-40 ~ 70 °C (-40 ~ 158 °F)
7 Option (Only Rotary type)	0 :	None
	1 :	Dome cover
	2 :	4 to 20 mA feedback – SPTM-5V(Non-explosion) ¹⁾
	3 :	4 to 20 mA feedback – SPTM-6V(Flameproof enclosure) ²⁾
	4 :	Limit switch – YT-850(Non-explosion) ³⁾
	5 :	Limit switch – YT-870(Flameproof enclosure) ⁴⁾
	6 :	4 to 20 mA feedback + Limit switch – YT-870(Flameproof enclosure) ⁵⁾

If you want EAC products, put “EAC” in a purchase order.

¹⁾ ²⁾ these options are only available for “S”, “L” in 6 operating temperature.

³⁾ ⁴⁾ ⁵⁾ these options are only available for “S” in 6 operating temperature.

2.5 Product Specification

2.5.1 Positioner Specification

Model		YT-1200			
Housing Material		Aluminum			
Motion Type		Linear		Rotary	
Acting Type		Single	Double	Single	Double
Input Signal pressure		0.02 ~ 0.1 MPa (0.2 ~ 1 bar)			
Supply Pressure		0.14 ~ 0.7 MPa (1.4 ~ 7 bar)			
Stroke		10 ~ 150 mm		55 ~ 100°	
Air Connection		Rc 1/4 or 1/4 NPT			
Gauge Connection		Rc 1/8 or 1/8 NPT			
Ingress Protection		IP66			
Ambient Temperature	Standard	-20 ~ 70 °C (-4 ~ 158 °F)			
	High	-20 ~ 120 °C (-4 ~ 248 °F)			
	Low	-40 ~ 70 °C (-40 ~ 158 °F)			
Linearity		± 1 % F.S.	± 2 % F.S.		
Hysteresis		± 1 % F.S.			
Sensitivity		± 0.2 % F.S.	± 0.5 % F.S.		
Repeatability		± 0.5 % F.S.			
Flow Capacity		80 LPM (Sup. = 0.14 MPa)			
Air Consumption		2.5 LPM (Sup. = 0.14 MPa @ idle)			
Weight		1.7 kg (3.1 lb)			
Painting		Polyester Powder Coating			



Tested under ambient temperature of 20 °C, absolute pressure of 760 mmHg, and humidity of 65 %.

Please contact Rotork YTC Limited for detailed testing specification.

2.5.2 Specification of External SPTM(Smart Position Transmitter) option

External SPTM Model		SPTM-5V	SPTM-6V
Explosion Proof		Non-explosion	Flameproof enclosure. Refer to 2.6 Certifications.
Housing Material		Aluminum	
Input Stroke		55 ~ 100°	
Output Signal		4 ~ 20 mA DC	
External Load Resistance		$R_{ext} \leq (V_s - 9) / 20 \text{ mA}$, 750 ohms @ $V_s = 24 \text{ V}$	
Supply Voltage		$V_s : 9 \sim 28 \text{ V DC}$	
Linearity		$\pm 1 \% \text{ F.S.}$	
Hysteresis		$\pm 0.2 \% \text{ F.S.}$	
Sensitivity		$\pm 0.2 \% \text{ F.S.}$	
Conduit Entry		G 1/2	
Ingress Protection		IP67	
Ambient Temperature	Explosion proof	-	Refer to 2.6.2
	Operating	$-40 \sim 85 \text{ }^{\circ}\text{C}$ ($-40 \sim 185 \text{ }^{\circ}\text{F}$)	
Weight		0.6 kg (1.3 lb)	1.3 kg (2.9 lb)
Painting		Polyester Powder Coating	



Tested under ambient temperature of 20 °C, absolute pressure of 760 mmHg, and humidity of 65 %.

Please contact Rotork YTC Limited for detailed testing specification.

2.5.3 Specification of External L/S option

External L/S Model		YT-850
Housing Material		Aluminum
Switch Type		Mechanical Type (2 x SPDT)
Model No. & Manufacturer		SS5GL (OMRON)
Switch Rating	AC	250 V 3 A, 125 V 5 A
	DC	250 V 0.2 A, 125 V 0.4 A, 30 V 4 A, 14 V 5 A, 8 V 5 A
Terminal		8 Points
Conduit Entry		1/2 NPT or G 1/2 or M20x1.5P
Ingress Protection		IP67
Explosion Proof		Non-explosion
Ambient Temperature		-25 ~ 70 °C (-13 ~ 158 °F)
Weight		880 g (1.94 lb)
Painting		Polyester Powder Coating



Tested under ambient temperature of 20 °C, absolute pressure of 760 mmHg, and humidity of 65 %.

Please contact Rotork YTC Limited for detailed testing specification.

External L/S Model		YT-870	
Housing Material		Aluminum	
Switch Type		Mechanical Type (2 x SPDT)	Inductive Proximity Sensor
Model No. & Manufacturer		SS5GL (OMRON)	PS17-5DNU (Autonics)
Switch Rating	AC	250 V 3 A, 125 V 5 A	-
	DC	250 V 0.2 A, 125 V 0.4 A, 30 V 4 A, 14 V 5 A, 8 V 5 A	12 ~ 24 V
Terminal		8 Points	
Conduit Entry		G 3/4 (for CCC, 1/2 NPT)	
Ingress Protection		IP67	
Explosion Proof		Flameproof enclosure. Refer to "2.6.5 Certifications"	
Ambient Temperature		-20 ~ 60 °C (-4 ~ 140 °F)	
Weight		1.5 Kg (3.3 lb)	
Painting		Polyester Powder Coating	



Tested under ambient temperature of 20 °C, absolute pressure of 760 mmHg, and humidity of 65 %.

Please contact Rotork YTC Limited for detailed testing specification.