

# YT-1000 ELECTRO PNEUMATIC VALVE POSITIONER

## GENERAL

THE YT-1000 series positioner, mounted on a pneumatic actuator, moves the actuator by receiving dc 4-20ma signals from a controller. Also, the function of detecting and returning the actuator displacement provides accurate positioner in response to DC 4-20mA signals. The YT1000 series electro-pneumatic positioner can be used with both spring return and double acting actuators.

## FEATURES

- » High anti-vibration (none effective in 5-200Hz)
- » The linking of air duct is perforated from, convenient for the linking in all direction.
- » Convenient for the transform of positive action and counteraction.
- » ½ split range availability by simple adjustment without changing parts.
- » Simple structure for feedback connection
- » Economically energy saving.

## Technical Parameter

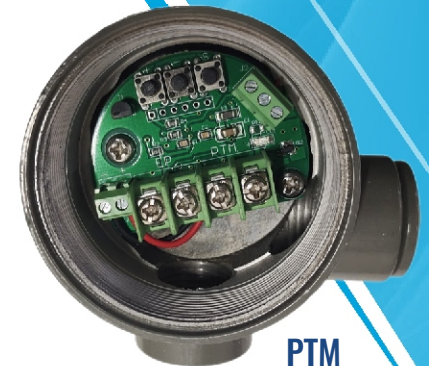
Model Description	YT-1000L Linear		YT-1000r Rotary	
	Single Acting	Double Acting	Single Acting	Double Acting
Input Signal	4~20mA DC			
Impedance	250± 15Ω			
Supply Pressure	1.4~77kg/cm2 (20-100psi)			
Stroke	10~150mm		0~9 0°	
Air Connection	PT(NPT) 1/4			
Guage Connection	PT(NPT) 1/8			
Conduit	PF ½(G1/2)			
Explosion Proof	Exdm IIB (C) T6 Exia II Bt6			
Protection	Ip66			
Ambient Temperature	-20OC~70OC (-4~158OF)			
Linearity	± 1%F.S. ±2%F.S.			
Hysteresis	± 1%F.S.			
Sensitivity	± 0.2%F.S. ± 0.5%F.S.			
Repeatability	±0.5%			
Air Consumption	3LPM (Sup=1.4kgf/cm2, 20psi)			
Flow Capacity	80LPM (Sup=1.4kgf/cm2, 20psi)			
Material	Aluminium Body			
Weight	2.kg(6lb)		2.8kg(6.2lb)	



YT1000 R



YT1000 L



PTM

## ORDERING SYMBOLS

YT-1000

	Model Description	Acting Type	Explosion Proof	Lever Type		Pilot valve vent	Actuator Volume Option
				Linear	Rotary		
Yt-1000	L Linear	S Single	M Exdm II BT6	1. 10~40mm	1. M6X40L	1. < 90cm2	1. None
	R Rotary	D Double	C Exdm II CT6	2. 40~70mm	2. M6X63	2. 90~180cm2	2. +PTM (Internal)
			I Exia II BT6	3. 70~100mm	3. M8x40L	3. >180cm2	3. +PTM (External)
			N Non Explosion	4. 100~130mm	4. M8X63L		4. +L/S (Internal)
				5. 130~150mm	5. NAMUR		5. +L/S (External)
							6. +PTM+L/S (Internal)