

- Electro-Pneumatic Positioner
- Pneumatic-Pneumatic Positioner
- Intelligent Positioner
- Electro Position Transmitter
- Volume Booster
- Air Filter Regulator
- Lock Up Valve
- Snap Acting Relay
- Solenoid Valve



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History

1977.07	Company Established (Parent Company)
1988.02	Produced the Pneumatic Control Valve
1995.05	Completed the development of Positioner
1996.01	Established Young Tech Co., Ltd.
1996.05	Produced the Electro-Pneumatic positioner YT-1000L, R
1996.08	Produced the Air Filter Regulator YT-200, 220
1997.01	Certified Explosion proof (ExsdIIBT6) on E/P positioner YT-1000L, R
1997.07	Produced the Volume Booster YT-300
1997.12	Produced the Pneumatic-Pneumatic positioner YT-1200L, R
1998.02	Produced the Position Transmitter PTM-5L, R
1998.04	Certified Explosion proof (ExdmlIBT6) on E/P positioner YT-1000L, R
1998.08	Certified CE on E/P positioner YT-1000L, R
1998.09	Certified Explosion proof (ExdmlIBT6) on E/P positioner YT-1000L, R
1999.04	Produced the Intelligent positioner YT-2000L, R
1999.06	Produced the Volume Booster YT-310
1999.10	Certified EM (Excellent Machine, Mechanism & Materials) on E/P positioner YT-1000L, R
2000.01	Certified ISO 9001
2000.04	Certified Venture Business (from Korean Government)
2000.07	Produced the Lock Up Valve YT-400
2000.11	Produced the Snap Acting Relay YT-500, YT-510
2001.01	Produced the Position Transmitter PTM-6L, R
2001.03	Certified Explosion proof (ExdIICT6) on Position Transmitter PTM-6L, R
2001.05	Completed new factory
2001.08	Certified KEMA on E/P positioner YT-1000L, R (EExmdIIBT4)
2001.11	Certified Explosion proof (ExdIICT6) on Solenoid Valve YT-700, 710, 720
2002.02	Started to produce EA91, EA90 by OEM for Motoyama Eng. Works, Ltd.
2002.05	Joined in Hart Foundation
2002.07	Certified Export-oriented Small and Medium-sized company (From Korean Government)
2002.09	Produced Stainless steel type Air filter regulator YT-250
2003.02	Upgraded to ISO 9001:2000
2003.03	Certified Explosion proof (ExdIICT6) on Intelligent positioner YT-2200L, R



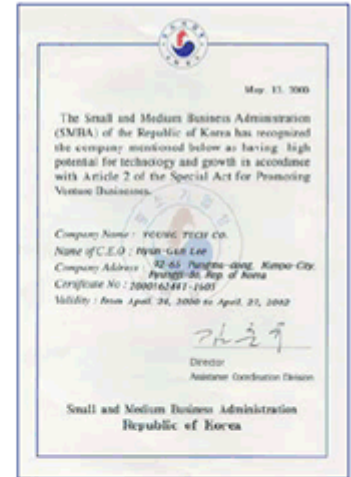
Certifications



ISO 9001



CE (YT-1000L, R)



Proof of Venture Business



EM-Excellent Machine, Mechanism&Materials (YT-1000L, R)



Patent (YT-1000L, R)



Patent (YT-1000 R)



KEMA (YT-1000L, R)



Ex ia IIB T6 (YT-1000L, R)



Ex dm IIC T6 (YT-1000L, R)



Electro-Pneumatic Positioner YT-1000L (Standard)

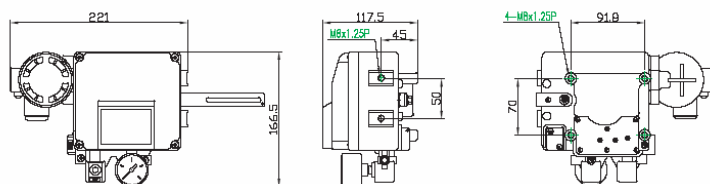
Ordering Symbols: YT-1000L



Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp
YT-1000 L	Single Acting	ExdmIIBT6	Below 40mm	Below 90 cm ²	PT	-20℃~70℃
	Double Acting	ExdmICT6	40~70 mm	90~180 cm ²	NPT	-20℃~120℃
		ExialIBT6	70~100 mm	Over 180 cm ²		-40℃~70℃
		Non-Explosion	100~130 mm			
			130~150 mm			

Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	10~150mm	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T6 Ex dm IIC T6 Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20℃~70℃ (Standard)	
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.	
Air Consumption	3LPM (Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM (Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	2.7kg(6.1lb)	



The Electro-Pneumatic Positioner YT-1000L is used for operation of pneumatic linear valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20 mA or split Ranges.

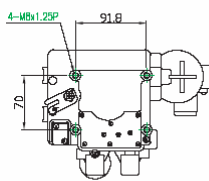
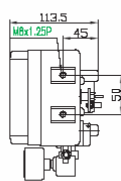
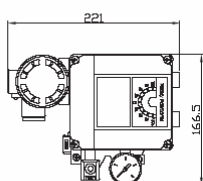
- There is no resonance at 5~200Hz.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Electro-Pneumatic Positioner YT-1000R (Standard Type)

Ordering Symbols: YT-1000R



Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmIIBT6	1 M6×40L	1 Below 90 cm ²	1 PT	S -20℃~70℃	0 NONE(St'd)	0 NONE
	D Double Acting	c ExdmIICT6	2 M6×63L	2 90~180 cm ²	2 NPT	H -20℃~120℃	1 Dome Cover	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ²		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90° . 0~60°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T6 Ex dm IIC T6 Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20℃~70℃(Standard)	
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.	
Air Consumption	3LPM(Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	2.8kg(6.2lb)	

The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges.

- There is no resonance at 5~200Hz.
- The change of RA/DA Acting is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Electro-Pneumatic Positioner YT-1000R (Dome Cover)

Ordering Symbols: YT-1000R

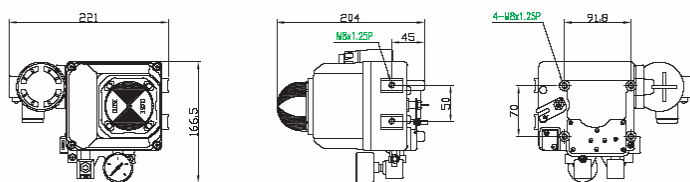


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmIIBT6	1 M6×40L	1 Below 90 cm ²	1 PT	S -20℃~70℃	0 NONE(Std)	0 NONE
	D Double Acting	c ExdmICT6	2 M6×63L	2 90~180 cm ²	2 NPT	H -20℃~120℃	1 Dome Cover	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ²		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90°, 0~60°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T6 Ex dm IIC T6 Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20℃~70℃ (Standard)	
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.	
Air Consumption	3LPM(Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	2.8kg(6.2lb)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20 mA or split ranges and Dome Indicator is attached.

- The confirmation of positioner's operating angle is possible by watching in the long distance due to Dome Indicator.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Electro-Pneumatic Positioner YT-1000R with PTM (Internal)

Ordering Symbols: YT-1000R

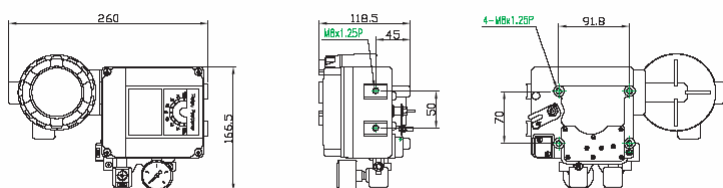


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ²	1 PT	S -20℃~70℃	0 St'd Indicator	0 NONE
	D Double Acting	c ExdmlICT6	2 M6×63L	2 90~180 cm ²	2 NPT	H -20℃~120℃	1 Dome Indicator	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ²		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

PTM	Input Type	2Wire
	Input Signal	90°
	Output Signal	4-20mA DC
	Load Resistance	0~600 Ohm
	Noise Range	50mVp.p
	Adjustable Range	Zero : ±10% Span : 60~110%
	Protection	IP66
	Linearity	±1%
	Sensitivity	±0.2%
	Hysteresis	0.2%
	Supply Voltage	15~30V DC
	Explosion Proof	Non-Explosion
Positioner	Same With YT-1000R (Page7)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges. And position transmitter which is built internally outputs present opening rate with changing this to current signal of DC 4~20mA.

- Stability of the system is improved by output current signal of positioner.
- It isn't necessary any other extra bracket for position transmitter.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less consumption.

Electro-Pneumatic Positioner YT-1000R with PTM (External)

Ordering Symbols: YT-1000R

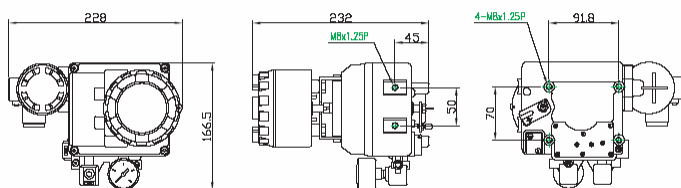


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ²	1 PT	S -20℃~70℃	0 St'd Indicator	0 NONE
	D Double Acting	c ExdmlICT6	2 M6×63L	2 90~180 cm ²	2 NPT	H -20℃~120℃	1 Dome Indicator	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ²		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

PTM	Input Type	2Wire
	Input Signal	90°
	Output Signal	4-20mA DC
	Load Resistance	0~600 Ohm
	Noise Range	50mVp.p
	Adjustable Range	Zero : ±10% Span : 60~110%
	Explosion Proof	Exd II CT6
	Protection	IP67
	Linearity	±1%
	Sensitivity	±0.2%
	Hysteresis	0.2%
	Supply Voltage	15~30V DC
Positioner	Same with YT-1000R (Page7)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges. And Positon Transmitter which is built internally outputs present opening rate with changing this to current signal of DC 4~20mA maintaining explosion proof type.

- Stability of system is improved by the position transmitter which outputs current signal of positoner's operating and feedback to controller.
- It isn't necessary extra bracket for positon transmitter, and it is ablt to manage positioner and transmitter repectively.
- It is able to use in the environment with explosive gas due to explosion-proof structure.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.

Electro-Pneumatic Positioner YT-1000R with L/S (Internal)

Ordering Symbols: YT-1000R

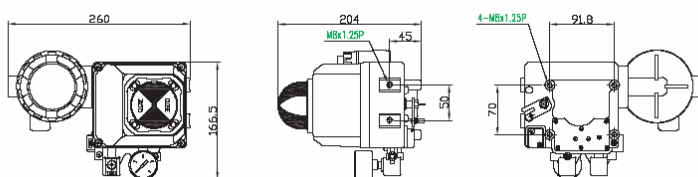


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ²	1 PT	S -20℃~70℃	O St'd Indicator	0 NONE
	D Double Acting	e ExdmlICT6	2 M6×63L	2 90~180 cm ²	2 NPT	H -20℃~120℃	I Dome Indicator	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ²		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

Limit Switch	Rating	AC 0.6A 125V~16A
	Over Travel	0.8mm Max
	Switch Type	2 x SPDT
	Temperature Rating	-40℃~85℃
	Differential Force	1.6mm Max
Positioner	Same with YT-1000R (Page7)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges and Limit Switch is attached internally.

- It is able to get feedback of electrical signal in setting particular opening point due to built in Limit Switch.
- It isn't necessary extra bracket for Limit Switch, and it is convenient to install and maintain.
- The confirmation of positioner's opening rate is possible in the long distance due to Dome Indicator.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.

Electro-Pneumatic Positioner YT-1000R with L/S (External)

Ordering Symbols: YT-1000R

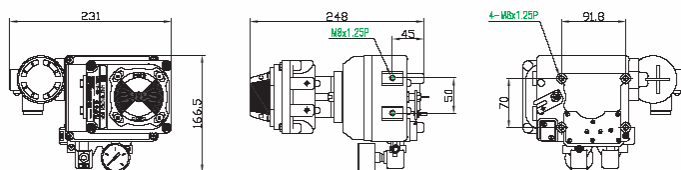


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ³	1 PT	S -20℃~70℃	O St'd Indicator	0 NONE
	D Double Acting	c ExdmlICT6	2 M6×63L	2 90~180 cm ³	2 NPT	H -20℃~120℃	I Dome Indicator	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ³		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

Limit Switch	Rating	AC 0.6A 125V~16A
	Over Travel	0.8mm Max
	Switch Type	2 x SPDT
	Temperature Rating	-40℃~85℃
	Differential Force	1.6mm Max
Positioner	Same with YT-1000R (Page7)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges and Limit switch is attached externally.

- It is able to manage Positioner and Limit switch respectively.
- It isn't necessary extra bracket for Limit switch.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting and actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.

Electro-Pneumatic Positioner YT-1000R with PTM & L/S (Internal)

Ordering Symbols: YT-1000R

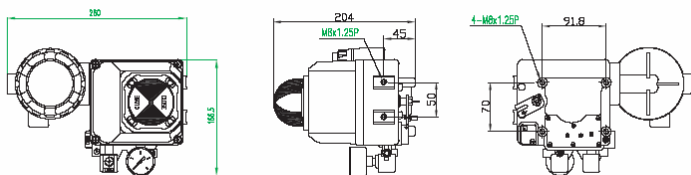


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ³	1 PT	S -20℃~70℃	0 NONE(St'd)	0 NONE
	D Double Acting	c ExdmlICT6	2 M6×63L	2 90~180 cm ³	2 NPT	H -20℃~120℃	1 Dome Cover	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ³		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

PTM	Input Type	2Wire
	Input Signal	0~90°
	Output Signal	4-20mA DC
	Load Resistance	0~600 Ohm
	Noise Range	50mVp.p
	Adjustable Range	Zero : ±10% Span : ±60~110%
	Protection	IP67
	Linearity	±1%
	Sensitivity	±0.2%
	Hysteresis	±0.2%
Limit Switch	Supply Voltage	15~30V DC
	Rating	AC 0.6A 125V~16A 250V
	Over Travel	0.8mm Max
	Switch type	2x SPDT
	Temperature Rating	-40℃~85℃
Positioner	Differential Force	1.6mm Max
	Same with YT-1000R (Page7)	



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges and Position transmitter & Limit switch is attached internally.

- Stability of system is improved by built in Position transmitter and Limit switch.
- It isn't necessary extra bracket for Position transmitter or Limit switch.
- The confirmation of positioner's operating angle is possible by watching in the long-distance due to Dome indicator.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting and actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.

Electro-Pneumatic Positioner YT-1000R with PTM & L/S (External)

Ordering Symbols: YT-1000R

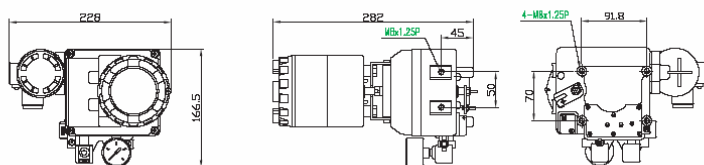


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
YT-1000R	S Single Acting	m ExdmlIBT6	1 M6×40L	1 Below 90 cm ³	1 PT	S -20℃~70℃	O St'd Indicator	0 NONE
	D Double Acting	c ExdmlICT6	2 M6×63L	2 90~180 cm ³	2 NPT	H -20℃~120℃	I Dome Indicator	1 +PTM(Internal)
		i ExialIBT6	3 M8×40L	3 Over 180 cm ³		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)
								6 +PTM+L/S(External)



Specifications

PTM	Item.Type	PTM 6R
	Input Type	2Wire
	Input Signal	0~90°
	Output Signal	4-20mA DC
	Load Resistance	0~600 Ohm
	Supply Voltage	15~30V DC
	Noise Range	50mVp.p
	Conduit	PF1/2(G1/2)
	Explosion Proof	ExdIICT6
	Ambient Temp	-8℃~70℃(17.6~158°F)
	Linearity	±1%F.S.
	Sensitivity	±0.2% F.S.
	Hysteresis	0.2% F.S.
L/S	Material	Aluminum
	Rating	0.6A 125V~16A 250V AC
	Over Travel	0.8mm Max
	Switch Type	2x SPDT
	Temperature Rating	-40℃~85℃
Positioner	Differential Force	1.6mm Max
	Same with YT-1000R (Page7)	

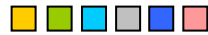


The Electro-Pneumatic positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges and Position transmitter & Limit switch is attached externally.

- Stability of system is improved by built in Position transmitter and Limit switch.
- It is not necessary extra bracket of Position transmitter or Limit switch.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting and actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.

Pneumatic- Pneumatic Positioner YT-1200L (Standard Type)

Ordering Symbols: YT-1200L

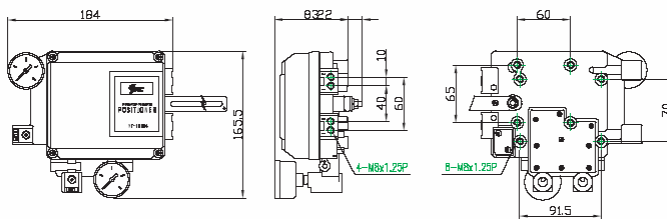


Model	Acting Type	Lever Type	Orifice Type	Connection Type	Ambient Temp
YT-1200L	 Single Acting	 Below 40mm	 Below 90 cm^3	 PT	 -20℃~70℃
	 Double Acting	 40~70 mm	 90~180 cm^3	 NPT	 -20℃~120℃
		 70~100 mm	 Over 180 cm^3		 -40℃~70℃
		 100~130 mm			
		 130~150 mm			



Specifications

Item.Type	Single	Double
Input Signal	0.2~1kgf/cm ² (3~15psi)	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	10~150mm	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Protection	IP66	
Ambient Temp	-20~70℃ (-4~158°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.	
Air Consumption	3LPM (Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM (Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	1.7kg(3.1lb)	



The Pneumatic positioner YT-1200L is used for pneumatic linear valve actuators by means of pneumatic controller or control systems with an output signal of 3 to 5psi or split ranges.

- Size is compact.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Pneumatic- Pneumatic Positioner YT-1200R (Standard Type)

Ordering Symbols: YT-1200R

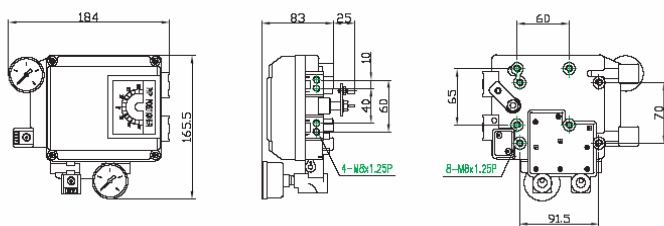


Model	Acting Type	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option
YT-1200R	 Single Acting	 M6×40L	 Below 90 cm ³	 PT	 -20℃~70℃	 St'd Cover
	 Double Acting	 M6×63L	 90~180 cm ³	 NPT	 -20℃~120℃	 Dome Cover
		 M8×40L	 Over 180 cm ³		 -40℃~70℃	
		 M8×63L				
		 NAMUR				



Specifications

Item.Type	Single	Double
Input Signal	0.2~1kgf/cm ² (3~15psi)	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Protection	IP66	
Ambient Temp	-20~70℃ (-4~158°F)	
Linearity	±2% F.S.	
Hysteresis	1% F.S.	
Sensitivity	±0.5% F.S.	
Repeatability	±0.5% F.S.	
Air Consumption	3LPM(Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	1.7kg(3.1lb)	



The Pneumatic positioner YT-1200R is used for pneumatic Rotary valve actuators by means of pneumatic controller or control systems with an output signal of 3 to 5psi or split ranges.

- Size is compact.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Pneumatic- Pneumatic Positioner YT-1200R (Dome Indicator)

Ordering Symbols: YT-1200R

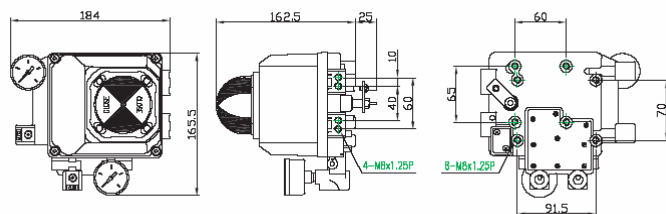


Model	Acting Type	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option	
YT-1200R	 Single Acting	 M6×40L	 Below 90 cm ³	 PT	 -20℃~70℃	 St'd Cover	
	 Double Acting	 M6×63L	 90~180 cm ³	 NPT	 -20℃~120℃	 Dome Cover	
		 M8×40L	 Over 180 cm ³		 -40℃~70℃		
		 M8×63L					
		 NAMUR					



Specifications

Item.Type	Single	Double
Input Signal	0.2~1kgf/cm ² (3~15psi)	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Protection	IP66	
Ambient Temp	-20~70℃ (-4~158°F)	
Linearity	±2% F.S.	
Hysteresis	1% F.S.	
Sensitivity	±0.5% F.S.	
Repeatability	±0.5% F.S.	
Air Consumption	3LPM(Sup=1.4kgf/cm ² , 20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm ² , 20psi)	
Material	Aluminum Diecasting	
Weight	1.7kg(3.1lb)	



The Pneumatic positioner YT-1200R is used for pneumatic Rotary valve actuators by means of pneumatic controller or control systems with an output signal of 3 to 5psi or split ranges and Dome indicator is attached.

- The confirmation of positioner's operating angle is possible by watching in the long distance due to Dome indicator.
- The change of RA/DA Action is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts.

Intelligent Positioner YT-2000L (Standard Type)

Ordering Symbols: YT-2000L

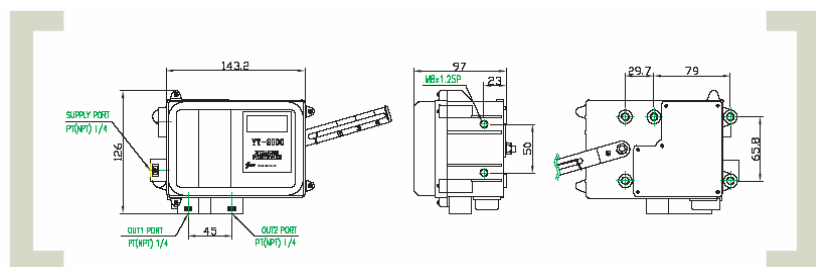


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2000 L	Single Acting	Non-Explosion	Below 40mm	Below 90 cm^2	PT	NONE	NONE
	Double Acting		40~70 mm	90~180 cm^2	NPT	RS232C	Transmitter
			70~100 mm	Over 180 cm^2		HART	
			100~130 mm			FoundationFieldbus	
			130~150 mm			Profibus	



Specifications

Item.Type	Single	Double
Input Signal	4~20mA DC(10~24V DC)	
Supply Pressure	1.4~4kgf/ cm^2 (20~57psi)	
	4~6kgf/ cm^2 (57~85psi)	
	6~8kgf/ cm^2 (85~114psi)	
Stroke	10~150mm	
Impedance	Max.500 Ohm/20mA DC	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	$\pm 0.5\%$ F.S.	
Ambient Temp	$-20\sim 70^{\circ}\text{C}$ ($-4\sim 158^{\circ}\text{F}$)	
Linearity	$\pm 0.5\%$ F.S.	
Hysteresis	0.5% F.S.	
Sensitivity	$\pm 0.2\%$ F.S.	
Main Board	MPU	16bit Micro Controller
	A/DConverter	12bit
	D/AConverter	12bit
LCD	Storage Temp	$-30\sim 85^{\circ}\text{C}$ ($-22\sim 185^{\circ}\text{F}$)
	Operating Temp	$-10\sim 80^{\circ}\text{C}$ ($14\sim 176^{\circ}\text{F}$)
Output Characteristics	Linear, EQ%, Quick Open	
Material	Aluminum Diecasting	
Weight	1.9kg(4.19lb)	



Intelligent positioner YT-2000L built-in micro processor controls the stroke of linear motion valve accurately. And it makes to maintain the most suitable for appropriate piping line by demonstrating the variety and powerful function.

- Auto calibration is possible by simple operation of switch.
- The confirmation of positioner's situation is possible in the long distance due to attached communication module.
- If there are problems of operating, alarm is sent to control room.
- It is able to add the function simply by attaching Position transmitter module.
- It is able to know the present opening rate due to attached LCD without any extra measurement device.

Intelligent Positioner YT-2000R (Standard Type)

Ordering Symbols: YT-2000R

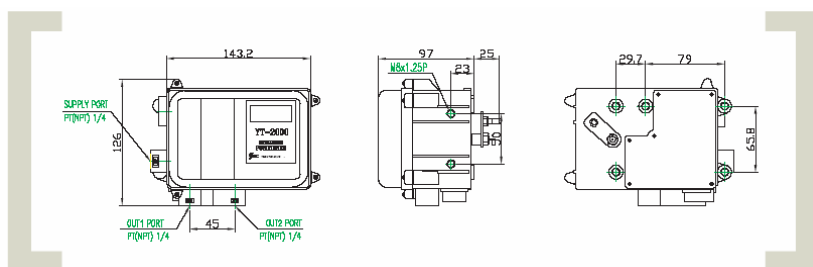


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2000 R	Single Acting	Non-Explosion	M6×40L	Below 90 cm^3	PT	NONE	NONE
	Double Acting		M6×63L	90~180 cm^3	NPT	RS232C	Transmitter
			M8×40L	Over 180 cm^3		HART	
			M8×63L			FoundationFieldbus	
			NAMUR			Profibus	



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC(10~24V DC)	
Supply Pressure	1.4~4kgf/cm ² (20~57psi)	
	4~6kgf/cm ² (57~85psi)	
	6~8kgf/cm ² (85~114psi)	
Stroke	0~90°	
Impedance	Max 500 Ohm/20mA DC	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.5%F.S.	
Ambient Temp	-20~70°C (-4~158°F)	
Linearity	±1% F.S.	
Hysteresis	1% F.S.	
Sensitivity	±0.5% F.S.	
Main Board	MPU	16bit Micro Controller
	A/DConverter	12bit
	D/AConverter	12bit
LCD	Storage Temp	-30~85°C (-22~185°F)
	Operating Temp	-10~80°C (14~176°F)
Output Characteristics	Linear, EQ%, Quick Open	
Material	Aluminum Diecasting	
Weight	1.9kg(4.19lb)	



Intelligent positioner YT-2000R built-in micro processor controls the stroke of Rotary motion valve accurately. And it makes to maintain the most suitable for appropriate piping line by demonstrating the variety and powerful function.

- Auto calibration is possible by simple operation of switch.
- The confirmation of positioner's situation is possible in the long distance due to attached communication module.
- If there are problem of operating, alarm is sent to control room.
- It is able to add the function simply by attaching Position transmitter module.
- It is able to know the present opening rate due to attached LCD without any extra measurement device.

Intelligent Positioner YT-2200L (Standard Type)

Ordering Symbols: YT-2200L

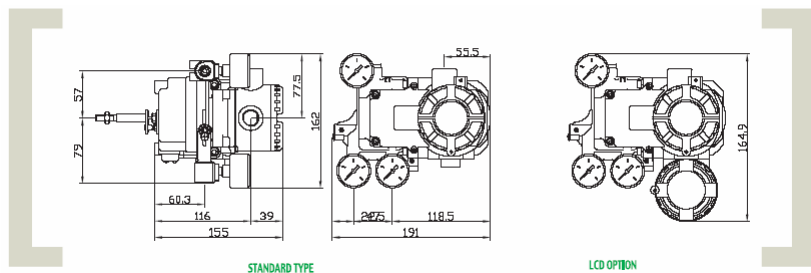


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2200 L	 Single Acting	 ExdIICT6	 Below 40mm	 Below 90 cm^3	 PT	 NONE	 NONE
	 Double Acting		 40~70 mm	 90~180 cm^3	 NPT	 RS232C	 Transmitter
			 70~100 mm	 Over 180 cm^3		 HART Protocol	
			 100~130 mm			 FoundationFieldbus	
			 130~150 mm			 Profibus	



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC(10~24V DC)	
Supply Pressure	1.4~4kgf/cm ² (20~57psi)	
	4~6kgf/cm ² (57~85psi)	
	6~8kgf/cm ² (85~114psi)	
Stroke	10~150mm	
Impedance	500 Ohm	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.2%F.S.	
Ambient Temp	-20~70°C (-4~158°F)	
Linearity	±0.5% F.S.	
Hysteresis	0.5% F.S.	
Sensitivity	±0.2% F.S.	
Main Board	MPU	16bit Micro Controller
	A/DConverter	12bit
	D/AConverter	12bit
LCD	Storage Temp	-30~85°C (-22~185°F)
	Operating Temp	-10~80°C (14~176°F)
Output Characteristics	Linear, EQ%, Quick Open	
Material	Aluminum Diecasting	
Weight	2.5kg(5.5lb)	



Intelligent positioner YT-2200L which is built in micro processor controls the valve stroke accurately. This positioner is explosion proof type and performs various function.

- Auto calibration is performed by simple operation of switch.
- Positioner's situation can be easily confirmed with attached communication module.
- If there are problems in operation, alarm is sent to control room.
- It is able to add the function simply by attaching Position transmitter module.

Intelligent Positioner YT-2200R (Standard Type)

Ordering Symbols: YT-2200R

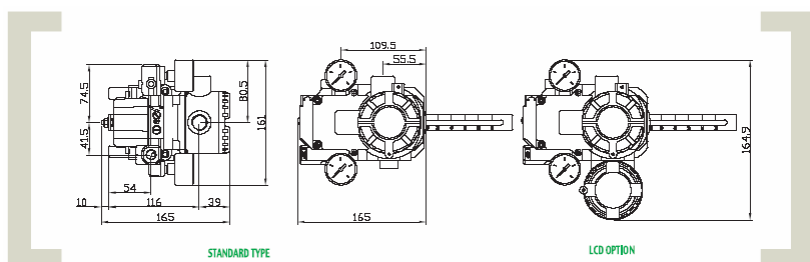


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2200R	 Single Acting	 ExdIICT6	 M6×40L	 Below 90 cm³	 PT	 NONE	 NONE
	 Double Acting		 M6×63L	 90~180 cm³	 NPT	 RS232C	 Transmitter
			 M8×40L	 Over 180 cm³		 HART Protocol	 LCD
			 M8×63L			 FoundationFieldbus	 Transmitter&LCD
			 NAMUR				



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC(10~24V DC)	
Supply Pressure	1.4~4kgf/cm ² (20~57psi) 4~6kgf/cm ² (57~85psi) 6~8kgf/cm ² (85~114psi)	
Stroke	0~90°	
Impedance	500 Ohm	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.3%F.S.	
Ambient Temp	-20~70℃ (-4~158°F)	
Linearity	±0.5% F.S.	
Hysteresis	0.5% F.S.	
Sensitivity	±0.2% F.S.	
Main Board	MPU	16bit Micro Controller
	A/DConverter	12bit
	D/AConverter	12bit
LCD	Storage Temp	-30℃~85℃ (-22~185°F)
	Operating Temp	-10℃~80℃ (14~176°F)
Output Characteristics	Linear, EQ%, Quick Open	
Material	Aluminum Diecasting	
Weight	2.5kg(5.5lb)	



Intelligent positioner YT-2200R which is built in micro processor controls the valve stroke accurately. This positioner is explosion proof type and performs various function.

- Auto calibration is performed by simple operation of switch.
- Positioner's situation can be easily confirmed with attached communication module.
- If there are problems in operation, alarm is sent to control room.
- It is able to add the function simply by attaching Position transmitter module.

Intelligent Positioner YT-2300L (Standard Type)

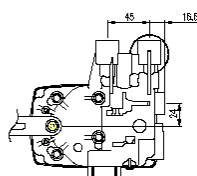
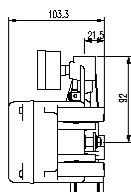
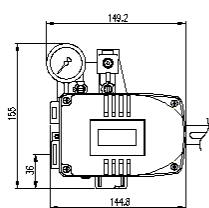
Ordering Symbols: YT-2300L



Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2300 L	Single Acting	Non-Explosion	Below 40mm	NONE	PT	NONE	NONE
	Double Acting		20~70 mm	Adjustable Orifice	NPT	HART	Transmitter
			70~100 mm				
			100~130 mm				
			130~150 mm				

Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC(10~24V DC)	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	10~150mm	
Impedance	Max.500 Ohm/20mA DC	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.5%F.S.	
Ambient Temp	-30~70℃ (-22~158°F)	
Linearity	±0.5% F.S.	
Hysteresis	0.5% F.S.	
Sensitivity	±0.2% F.S.	
LCD	Storage Temp	-30~85℃ (-22~185°F)
	Operating Temp	-10~70℃ (14~158°F)
Output Characteristics	Linear, EQ%, Quick Open User defined	
Material	Aluminum Diecasting	
Weight	1.5kg(3.3lb)	



Intelligent positioner YT-2300L built-in micro processor controls the stroke of linear motion valve accurately. And it makes to maintain the most suitable for appropriate piping line by demonstrating the variety and powerful function.

- Auto calibration is possible by simple operation of pressing button.
- The confirmation of positioner's situation is possible in the long distance due to attached communication module.
- If there are problem of operating, alarm is sent to control room.
- It is able to add transmit analog feedback signal by adding option.
- It is able to know the present opening rate due to attached LCD without any extra measurement device.

Intelligent Positioner YT-2300R (Standard Type)

Ordering Symbols: YT-2300R

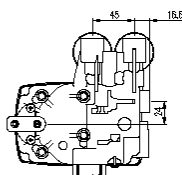
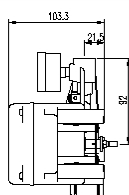
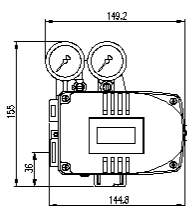


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Communication	Option
YT-2300 R	Single Acting	Non-Explosion	M6×40L	NONE	PT	NONE	NONE
	Double Acting		M6×63L	Adjustable Orifice	NPT	HART	Transmitter
			M8×40L				
			M8×63L				
			NAMUR				



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC(10~24V DC)	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90°	
Impedance	Max 500 Ohm/20mA DC	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Repeatability	±0.5%F.S.	
Ambient Temp	-30~70℃ (-22~158°F)	
Linearity	±0.5% F.S.	
Hysteresis	0.5% F.S.	
Sensitivity	±0.2% F.S.	
LCD	Storage Temp	-30~85℃ (-22~185°F)
	Operating Temp	-10~70℃ (14~158°F)
Output Characteristics	Linear, EQ%, Quick Open User defined	
Material	Aluminum Diecasting	
Weight	1.5kg(3.3lb)	



Intelligent positioner YT-2300R built-in micro processor controls the stroke of Rotary motion valve accurately. And it makes to maintain the most suitable for appropriate piping line by demonstrating the variety and powerful function.

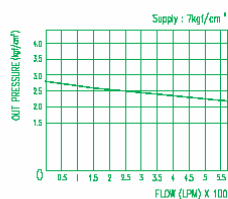
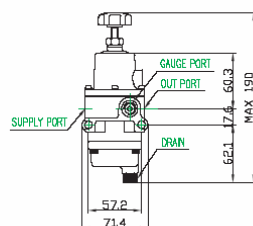
- Auto calibration is possible by simple operation of pressing button.
- The confirmation of positioner's situation is possible in the long distance due to attached communication module.
- If there are problem of operating, alarm is sent to control room.
- It is able to add transmit analog feedback signal by adding option.
- It is able to know the present opening rate due to attached LCD without any extra measurement device.

Air Filter Regulator YT-200

Ordering Symbols: YT-200



Model	Adjustable Range	Connection Type	Gauge	Ambient Temp
YT-200	A 0~4.2kgf/cm ²	P PT1/4	O NONE	1 Standard
	B 0~8.4kgf/cm ²	N NPT1/4	1 4Kgf/cm ²	2 Max. 100 °C
	C 0~2.1kgf/cm ²		2 10Kgf/cm ²	



Specifications

Item.Type	YT-200		
	A	B	C
Max.Supply Pressure	15kgf/cm ² (231psi)		
Max.Output Pressure	4.2kgf/cm ² (57psi)	8.4kgf/cm ² (120psi)	2.1kgf/cm ²
Air Connection	PT(NPT)1/4		
Gauge Connection	PT(NPT)1/4		
Ambient Temp	-15~70 °C (5~158°F)		
Min.Filtering Size	5micron		
Material	Aluminum Diecasting		
Weight	0.6kg(1.7lb)		

Air filter regulator YT-200 reduces the supply pressure of plant's main air line suitably and supplies valve positioner or control device.

- YT-200 maintains the stable outlet pressure regardless of the fluctuation of inputting pressure or flow rate.
- It is easy to install and maintain due to light weight and small size.
- To filter minuteness particle is available with 5 micron filter.
- There is relief function which discharges to atmosphere if the outlet pressure is higher than setting pressure.

Air Filter Regulator YT-250

Ordering Symbols: YT-250

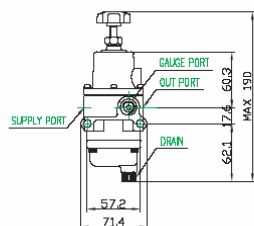


Model	Adjustable Range	Connection Type	Gauge	Ambient Temp
YT-250	A 0~4.2kgf/cm ²	P PT1/4	0 NONE	1 Max. 70℃
	B 0~8.4kgf/cm ²	N NPT1/4	1 4Kgf/cm ²	2 Max. 100℃
	C 0~2.1kgf/cm ²		2 10Kgf/cm ²	



Specifications

Item.Type	YT-250		
	A	B	C
Max. Supply Pressure	15kgf/cm ² (231psi)		
Max. Output Pressure	4.2kgf/cm ²	8.4kgf/cm ²	2.1kgf/cm ²
Air Connection	PT(NPT)1/4		
Gauge Connection	PT(NPT)1/4		
Ambient Temp	-20~70℃ (-4~158°F)		
Min. Filtering Size	5micron		
Material	Stainless Steel (STS/SUB 316S31)		
Weight	1.3kg(2.9lb)		



Air filter regulator YT-250 is for use in offshore or corrosive environment, which is made of stainless steel.

- YT-250 maintains the stable outlet pressure regardless of the fluctuation of inputting pressure or flow rate.
- It is easy to install and maintain due to light weight and small size.
- 5 micron filter enables to filter particles.
- YT-250 has relief function which discharges to atmosphere if the outlet pressure is higher than setting pressure.

Volume Booster YT-300 / YT-310

Ordering Symbols: YT-300 /YT-310



Model	Connection Type	Ambient Temp	Material
YT-300	PT	Standard	Aluminum
YT-310	NPT	Max. 100°C	Stainless Steel (SUS316)



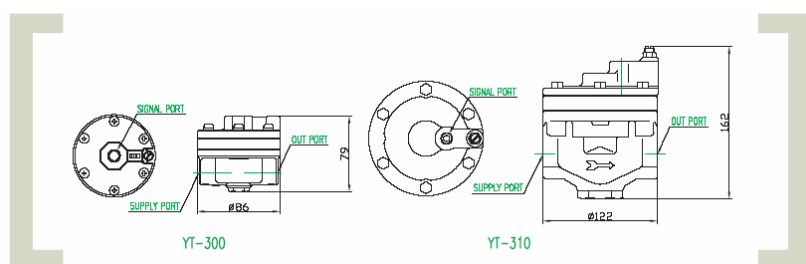
YT-300



YT-310

Specifications

Item.Type	YT-300	YT-310
Max.Supply Pressure	10kgf/cm ² (142psi)	
Max.Output Pressure	7kgf/cm ² (100psi)	10kgf/cm ² (142psi)
In / Output Pressure Ratio	1:1	
Flow Capacity(Cv)	1.02	4.98
In / Output Connection	PT(NPT)1/4	(NPT)3/4
Signal Connection	PT(NPT)1/4	
Port Size	1/4"	1/2"
Linearity	±1%(F.S.)	
Ambient Temp	-20~70°C (-4~158°F)	
Material	Aluminum Diecasting	
Weight	0.5kg(1.1 lb)	2.3kg(5.1lb)



Volume booster YT-300 and YT-310 makes the valve function's speed fast with providing large air flow rate to actuator.

- Speed and accuracy is excellent with supplying air pressure at the rate of 1:1 steadily.
- It makes to improve the stability with control of By-Pass.
- It is an acute reflection of the change of signal pressure.
- It has a fixed deadband because this is controlled by the seat-to-seat dimension of the supply and exhaust plugs.

Lock up Valve YT-400

Ordering Symbols: YT-400



Model	Acting Type	Connection Type
YT-400	Single Acting	PT1/4
	Double Acting	NPT1/4



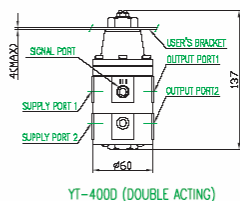
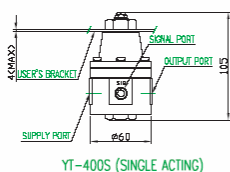
单作用



双作用

Specifications

Item.Type	Single	Double
Signal Pressure	Max.10kgf / cm^2 (142psi)	
Pressure Range	1.4~7kgf/ cm^2 (20~100psi)	
Lock-up Pressure	Max.7kgf / cm^2 (100psi)	
Differential Pressure	Below 0.1kgf/ cm^2 (1.4psi)	
Ambient Temp	-20~70 °C (-4~158°F)	
Air Connection	PT(NPT) 1/4	
Material	Aluminum Diecasting	
Weight	0.45kg(0.33lb)	0.7kg



Lock up valve YT-400 closes the passage of air flow piping with sensing the pressure of main supply pressure when the pressure is lower than the setting pressure due to accident and so forth.

- It is able to install with metal piping without extra bracket due to small size and light weight.
- YT-400 reacts susceptibly at the minute differential pressure below 0.1kgf/ cm^2 .
- Corrosion resistance is excellent with epoxy powder coating.
- For special type, it is able to attach Limit switch or Indicator which makes to catch whether YT-400 is opened or shut.

Snap Acting Relay YT-500 / YT-510

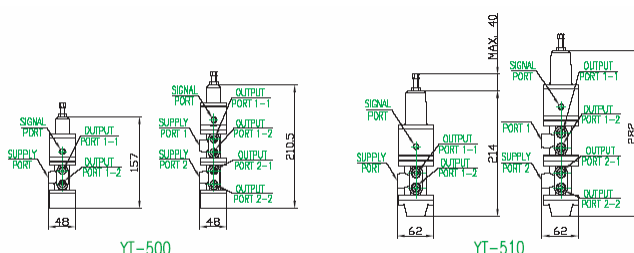
Ordering Symbols: YT-500/YT510

Model	Acting Type	Connection Type	Material
YT-500	S Single	1 PT	1 Standard
YT-510	D Double	2 NPT	2 Stainless Steel



YT-500

YT-510



YT-500

YT-510

Specifications

Item.Type	YT-500	
	Single	Double
Signal	1.4~7	
Max.Supply Pressure	10kgf/cm ² (142psi)	
Signal Connection	PT(NPT) 1/8	
In / Out Connection	PT(NPT) 1/4	
Ambient Temp	-20℃~65℃ (-4~150°F)	
Weight	0.8kg(1.7lb)	1.2kg(2.6lb)

Item.Type	YT-510	
	Single	Double
Signal	1.4~7	
Max.Supply Pressure	10kgf/cm ² (142psi)	
Signal Connection	PT(NPT) 1/8	
In / Out Connection	PT(NPT) 3/4	
Ambient Temp	-20℃~65℃ (-4~150°F)	
Weight	2.1kg(4.6lb)	3.3kg(7.3lb)

Snap acting relay YT-500 and YT-510 makes to change the direction of supplying air flow rate from one output port to the other port when the sensing signal pressure is lower than setting pressure.

- YT-500 and YT-510 makes to switch promptly sensing minute differential pressure correctly.
- It is able to send pressure or flow rate from device to the other device.
- It is able to lock the actuator in its last position.
- Actuator and stem is able to extend and connect.
- For special type, it is able to manufacture the stainless steel product for corrosion atmosphere or seawater.

Solenoid Valve YT-700

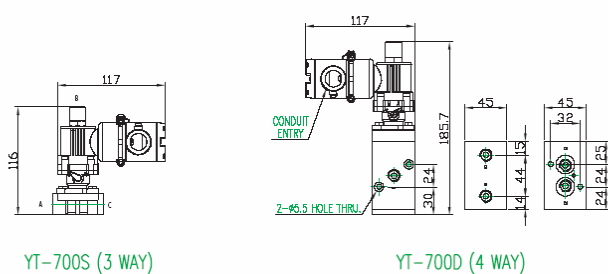
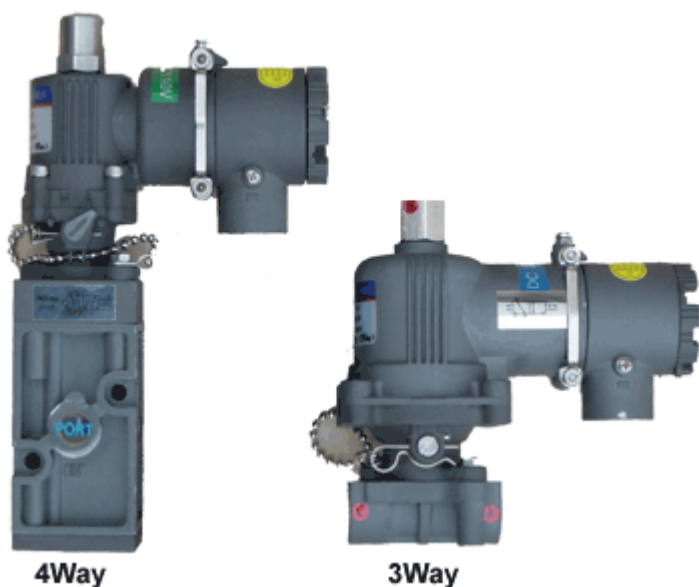
Ordering Symbols: YT-700



Model	Valve Type	Connection Type	Power Source	Pressure
YT-700	3 Way	PT1/4	AC 110V	0~4kgf/cm ² (3Way)
	4 Way	NPT1/4	AC 220V	0~7kgf/cm ² (3 Way)
			DC 24V	1.5~8kgf/cm ² (4 Way)

Specifications

Item.Type		YT-700	
		3 Way	4 Way
Max.Supply Pressure		0~7kgf/cm ²	1.5~8kgf/cm ²
Rating Current	AC 220V	100mA	63mA
	AC 110V	160mA	70mA
	DC 24V	290mA	160mA
Explosion Proof		ExdIICT6	
Connection Type		PT(NPT) 1/4	
Conduit		PF 1/2(G1/2)	



Solenoid valve YT-700 operates opening and shutting by electrical signal of AC or DC and has explosion-proof structure.

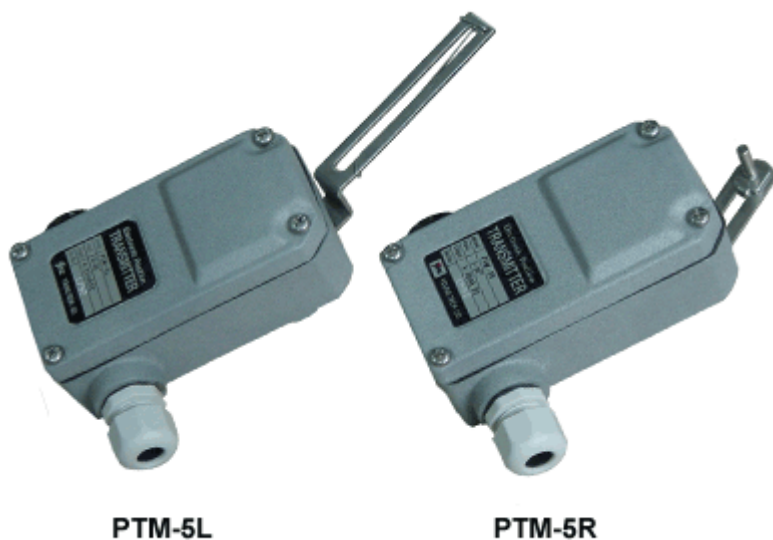
- It is not necessary to supply lubricating oil due to special O-ring.
- Replacement is easy to design the coil of AC, DC is applicable for same Enclosure.
- Backing spring is not necessary due to usage of Balance Spool type.
- Operating test is possible when the power source is cutoff, because Manual button is attached.

Position Transmitter PTM-5L / PTM-5R (Non-Explosion Proof Type)

Ordering Symbols: PTM-5



Model	Actuator Motion	Lever Type	
		Linear	Rotary
PTM-5	Linear	60mm	Standard
	Rotary	60~90 mm	NAMUR
		90~150 mm	

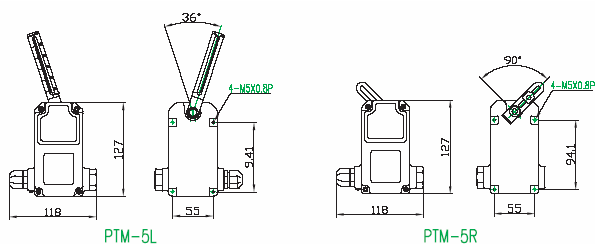


PTM-5L

PTM-5R

Specifications

Item.Type	PTM-5L	PTM-5R
Input Type	2 Wire	
Input Signal	0~36°	0~90°
Output Signal	4~20mA DC	
Impedance	0~600 Ohm	
Supply Voltage	15~30V DC	
Noise Range	50mV p.p	
Conduit	PF 1/2(G1/2)	
Protection	IP67	
Ambient Temp	-8℃~70℃ (-17.6~158°F)	
Linearity	±1% F.S.	
Hysteresis	0.2% F.S.	
Sensitivity	±0.2% F.S	
Material	Aluminum Casting	
Weight	0.4kg(0.9lb)	



PTM-5L

PTM-5R

Electronic Position Transmitter PTM-5 senses mechanical position change of stem being on the valve or similar device and converts to current signal of DC4~20mA outputs.

- Wiring is convenient due to 2 wire type.
- It has high resolution and reliability.
- The controlling range of Zero and Span is large, so adjustment is convenient.
- It is possible to change RA/DA with changing position of dip-switch without replacement of any parts.
- Because LED is attached, it is able to catch whether operation is normal.

Position Transmitter PTM-6L / PTM-6R (Explosion Proof Type)

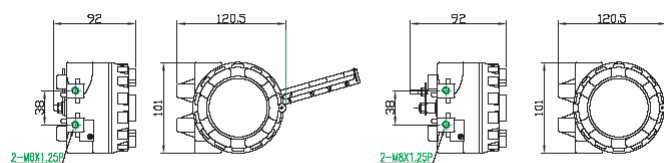
Ordering Symbols: PTM-6 ■ ■

Model	Actuator Motion	Lever Type	
		Linear	Rotary
PTM-6	■ Linear	1 60mm	1 Standard
	■ Rotary	2 60~90 mm	2 NAMUR
		3 90~150 mm	



PTM-6L

PTM-6R



PTM-6R

PTM-6L

Specifications

Item.Type	PTM-5L	PTM-5R
Input Type	2 Wire	
Input Signal	0~36°	0~90°
Output Signal	4~20mA DC	
Impedance	0~600 Ohm	
Supply Voltage	15~30V DC	
Noise Range	50mV p.p	
Conduit	PF 1/2(G1/2)	
Protection	IP67	
Explosion Proof	ExdIICT6	
Ambient Temp	-8℃~70℃ (-17.6~158°F)	
Linearity	±1% F.S.	
Hysteresis	0.2% F.S.	
Sensitivity	±0.2% F.S.	
Material	Aluminum Casting	
Weight	1.1kg(2.4lb)	

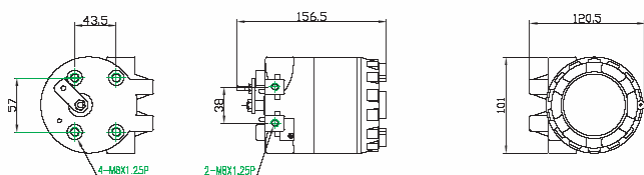
Electronic Position Transmitter PTM-6 senses mechanical position change of stem being on the valve or similar device and converts to current signal of DC 4~20mA outputs. It is explosion proof type.

- It is light, economical and construction is simple.
- Wiring is convenient due to 2 wire type.
- It has high resolution and reliability.
- It is possible to change RA/DA with changing position of dip-switch without replacement of any parts.
- Because LED is attached, it is able to catch whether operation is normal.

Position Transmitter PTM-6R with Limit Switch (Explosion Proof Type)

Ordering Symbols: PTM-6  

Model	Lever Type	Option
PTM-6R	 Standard  NAMUR	 Limit Switch



PTM-6R (INCLUDED LIMIT SWITCH)

Specifications

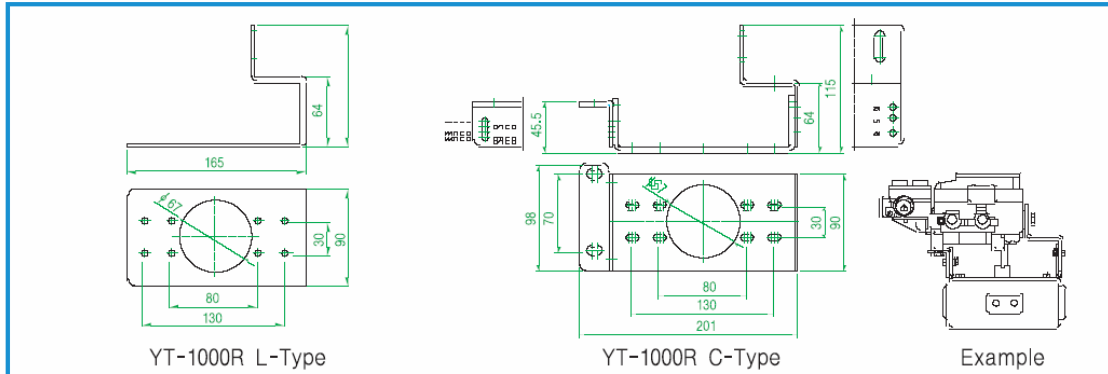
PTM	Item.Type	PTM-6R
	Connection Type	2Wire
	Input Signal	0~90°
	Output Signal	4~20mA DC
	Load Resistance	0~600 Ohm
	Supply Voltage	15~30V DC
	Noise Range	50mV pp
	Conduit	PF 1/2 (G 1/2)
	Explosion Proof	ExdIICT6
	Ambient Temp	-8℃~70℃ (-17.6~158°F)
	Linearity	±1% F.S
	Hysteresis	0.2 F.S
	Sensitivity	±0.2% F.S
	Material	Aluminum
L/S	Rating	AC 0.6A 125V~16A 250V
	Over Travel	Max 0.8mm
	Swich Type	2x SPDT
	Temperature Rating	-40~85℃
	Differential Force	1.6mm Max
	Weight	1.1kg (2.4 lb)

Electronic Position Transmitter PTM-6R senses mechanical position change of stem being on the valve or similar device and converses to current signal of DC 4~20mA outputs. It is explosion proof type and Limit switch is attached internally.

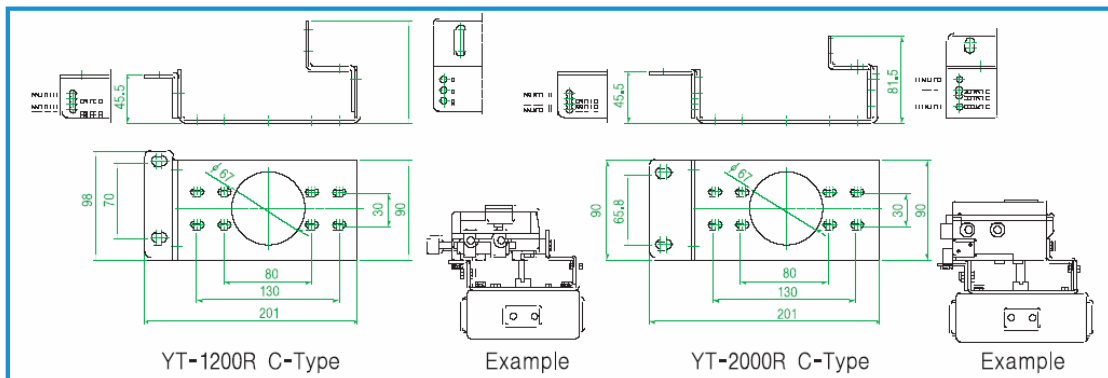
- Mechanical Limit Switch is built in the Position transmitter, so it is not necessary bracket for Limit switch and wiring is simple.
- It is economical compared with the case of usage respectively.
- It has high resolution and reliability.
- It is possible to change position of RA/DA with changing position of dip-switch without replacement of any parts.
- Because LED is attached, it is able to catch whether operation is normal.

Option

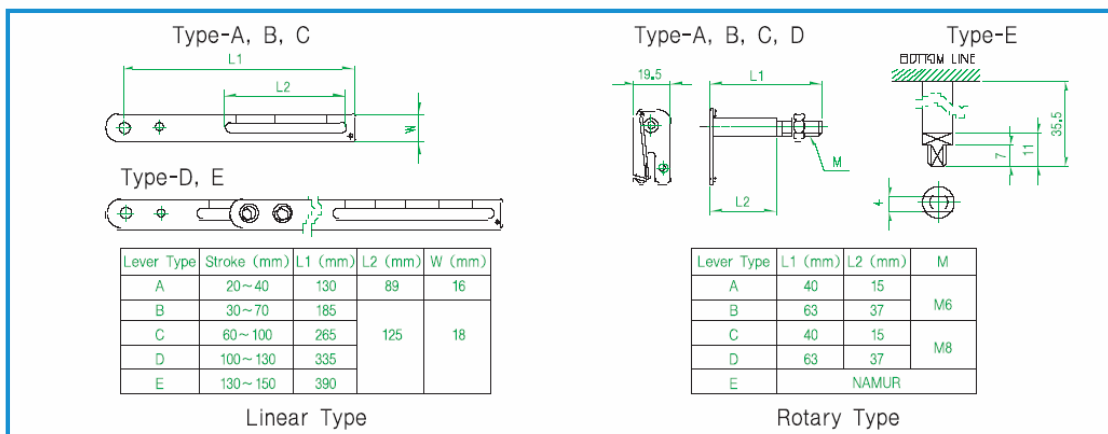
Positioner Bracket Series



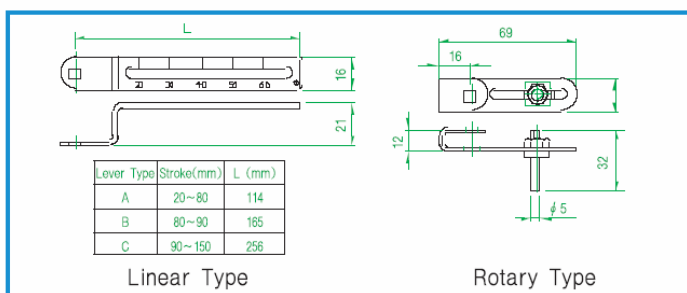
Positioner Bracket Series



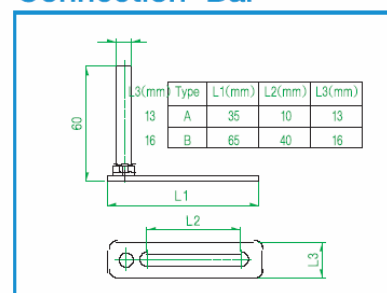
Positioner Lever Series



Position Transmitter Lever Series



Connection Bar





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