



since 1996

Control Valve Accessories

Smart Positioner
Electro-Pneumatic Positioner
Pneumatic-Pneumatic Positioner

Air Filter Regulator
Volume Booster
Lock Up Valve
Snap Acting Relay

Position Transmitter
Solenoid Valve
Limit Switch Box



YOUNG TECH

2012.07

History

- 1996.01 Established Young Tech Co., Ltd.
- 1996.05 Produced the Electro-pneumatic positioner YT-1000L, R
- 1999.04 Produced the Smart positioner YT-2000L, R
- 2000.01 Certified ISO 9001:1994
- 2000.04 Certified Venture Business (from Korean Government)
- 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)
- 2003.02 Certified ISO 9001:2000
- 2004.04 Established R&D lab
- 2004.12 Joined foundation fieldbus association
- 2005.09 Selected as Approved Korea Hydro & Nuclear Power Co., Ltd. Parts Vendor List
- 2008.04 Produced the fail freeze type smart positioner YT-2500 series
- 2009.02 Certified and registered as qualified spare parts supplier from Korea Hydro & Nuclear Power Co., Ltd
- 2009.10 Produced the T/M type smart positioner YT-3300, YT-3400 Series
- 2010.01 Certified ISO 9001: 2008
- 2011.02 Expansion to New-built Young Tech Co., LTD factory building
- 2011.04 Recognized as "Main-Biz" for management innovation from Small and Medium Business Administration of Korea.
- 2011.07 Awarded as "Export Small Giant 500 Company" from Industrial Bank of Korea
- 2011.10 Awarded as "Star Company" from Korea Credit Guarantee Fund Association



Certifications



* Each certification can be downloaded from our website www.ytc.co.kr

Product	Model	Cert.Type	Explosion Proof Type	
Electro- Pneumatic Positioner	YT-1000	ATEX	Ex dmb IIB T5	
		FM	XP-S/II/1/CD/T5 Ta=60°C; DIP/II,III/1/EFG/T5 Ta=60°C ;Type 4X	
		TIIS	Ex sd IIB T5	
		CSA	Ex md IIB T5	
		NEPSI	Ex ia IIC T6	
			Ex dmb IIC T6	
		KC	Ex dmb IIB T5	
	Ex dmb IIC T5			
	Ex ia IIB T6			
	YT-1050	KC	Ex dmb IIB T5	
ATEX		Ex dmb IIB T5		
TIIS		Certification is in progress		
Smart Positioner	YT-2300	ATEX	Ex ia IIC T5/ T6	
		IECEX	Ex ia IIC T5/ T6	
		NEPSI	Ex ia IIC T5/ T6	
		KC	Ex ia IIC T5/ T6	
	YT-2400	ATEX	Ex d IIB T6	
		IECEX	Ex d IIB T6	
		CSA	Ex d IIB T6	
		NEPSI	Ex d IIB+H ₂ T6	
		KC	Ex d IIB+H ₂ T6	
	YT-2500	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
		IECEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
		KC	Ex ia IIC T5/ T6 IP66	
		NEPSI	Ex ia IIC T5/ T6	
		SIL	Type A, Low Demand Mode, HFT0, SIL2	
	YT-2501	KC	Ex ia IIC T5/T6	
	YT-2550	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
		IECEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
	YT-2600	ATEX	Ex db IIC T5/T6 Ex tb IIIC T85°C /T100°C Db	
		IECEX	Ex db IIC T5/T6 Ex tb IIIC T85°C /T100°C Db	
		KC	Ex d IIC T5/T6 IP66	
		SIL	TypeA, Low Demand Mode, HFT0, SIL2	
	YT-2700	KC	Ex ia IIC T5/ T6	
	YT-3300 YT-3301	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
		IECEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X	
	YT-3300	NEPSI	Ex ia IIC T5/ T6	
	YT-3400	ATEX	Ex db IIC T5/T6, Ex tb IIIC T85°C/T100°C	
		IECEX	Ex db IIC T5/T6, Ex tb IIIC T85°C/T100°C	
		KC	Ex d IIC T5/T6 IP66	
	YT-3450	ATEX	Ex db IIC T5/T6 Ex tb IIIC T85°C/T100°C	
		IECEX	Ex db IIC T5/T6 Ex tb IIIC T85°C/T100°C	
	Solenoid Valve	YT-700	KC	Ex d IIC T6
			NEPSI	Ex d IIC T6
Position Transmitter	SPTM-5V	KC	Ex ia IIC T6 IP67	
	SPTM-6V	KC	Certification is in progress	
Limit Switch	YT-870	ATEX	Ex db IIC T6, Ex tb IIIC T85°C	
		KC	Ex d IIC T6 IP67	
		TIIS	Certification is in progress	
	YT-875	ATEX	II 2G Ex db IIC T6, II 2D Ex tb IIIC T85°C	
		TIIS	Certification is in progress	

History

Certifications

Products

Smart Positioner

3	YT-3300
4	YT-3301
5	YT-3400, YT-3450
6	YT-2300
7	YT-2400
8	YT-2500, YT-2550
9	YT-2501
10	YT-2600
11	YT-2700
12	YT-1000L
13	YT-1000R
14	YT-1050
15	YT-1200L
16	YT-1200R
17	YT-200, YT-205, YT-220, YT-225
18	YT-300, YT-305, YT-320, YT-325, YT-310, YT-315
19	YT-400, YT-405, YT-430
20	YT-520, YT-525, YT-530
21	YT-700
22	SPTM-5V
23	SPTM-6V
24	YT-850
25	YT-870, YT-875

Electro-Pneumatic Positioner

Pneumatic Positioner

Air Filter Regulator

Volume Booster

Lock Up Valve

Snap Acting Relay

Solenoid Valve

Position Transmitter

Limit Switch Box

Examples for installation

Bracket & Lever



Smart Positioner YT-3300

Product Number: YT-3300 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option *	Ambient Temp
				Linear	Rotary				
YT-3300	L Linear	S Single	n Non-Explosion	1 20~100mm	5 NAMUR	1 PT	0 NONE	0 NONE	S -30°C~ 85°C
		D Double	i Ex ia IIC T6/T5	2 90~150mm		2 NPT	2 + HART	1 + PTM	L -40°C~ 85°C
				3 16~30mm(Adapter Type)				2 + L/S(Mechanical Type)	
				4 16~60mm(Adapter Type)				3 + L/S(Proximity Non-explosion Type)	
				5 16~100mm(Adapter Type)				4 + PTM+L/S(Mechanical Type)	
							5 + PTM+L/S(Proximity Non-explosion Type)		

* L/S for rotary type only

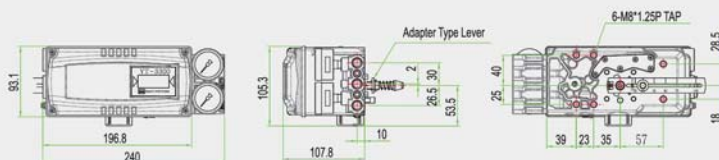


YT-3300R



YT-3300R+L/S

Item · Type	YT-3300L	YT-3300R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	20~150mm	0 ~ 90°
Impedance	Max.450Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Standard Type.	-30°C ~ 85°C (-22~185° F)
	Low Temp Type.	-40°C ~ 85°C (-40~185° F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
	LCD Operating Temp.	-30°C ~ 85°C (-22~185° F)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof Type	Ex ia IIC T6/ T5	
Weight	2kg (4.4lb)	



YT-3300 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Auto calibration
- Auto/Manual switch
- HART communication
- LCD display
- PID control
- 4 buttons for local control
- Feedback signal
- Limit switches

Smart Positioner YT-3301

Product Number: YT-3301 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option	Ambient Temp
				Linear	Rotary				
YT-3301	L Linear	S Single	n Non-Explosion	1 10~40mm	5 NAMUR	1 PT	0 NONE	0 NONE	S -30°C~ 85°C
	R Rotary	D Double	i Ex ia IIC T6/T5	2 20~70mm		2 NPT	2 + HART	1 + PTM	L -40°C~ 85°C
				3 50~100mm					
				4 100~150mm					

* Maximum cable length is 20M.



YT-3301R Sensor

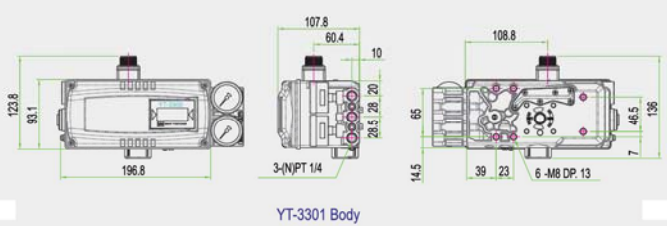


YT-3301L Sensor

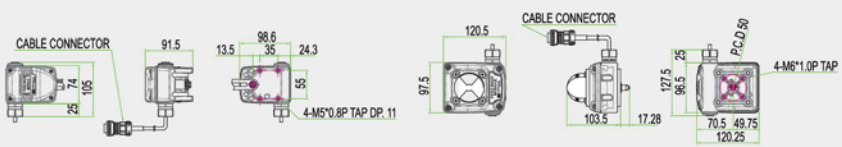
YT-3301 Body



Item · Type	YT-3301L	YT-3301R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max 450Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Sensor Operating Temp.	-40°C ~ 120°C(-40~248°F)
	Body Operating Temp.	-30°C ~ 85°C(-22~185°F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
	LCD Operating Temp.	-30°C ~ 85°C(-22~185°F)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM(sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	Body	2kg (4.4lb)
	Sensor	0.6kg (1.3lb) 0.9kg (2.0lb)



YT-3301 Body



YT-3301L Sensor

YT-3301R Sensor

YT-3301 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Separated feedback module
- Auto/Manual switch
- HART communication
- Auto calibration
- PID control
- 4 buttons for local control
- LCD display
- Feedback signal

Smart Positioner YT-3400 / YT-3450

Product Number: YT-3400 / YT-3450 ■ ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type *	Communication	Option +	Ambient Temp
				Linear	Rotary				
YT-3400	L Linear	S Single	C Ex d IIC T6	1 10~40mm	1 M6 × 34L	1 PT	0 NONE	0 NONE	S -30°C ~ 85°C
YT-3450	R Rotary	D Double		2 20~70mm	2 M6 × 63L	2 NPT	2 + HART	1 +PTM	L -40°C ~ 85°C
				3 50~100mm	3 M8 × 34L			2 +L/S	
				4 100~150mm	4 M8 × 63L			3 +PTM+L/S	
					5 NAMUR				

* YT-3450 is available for NPT1/4 connection type ONLY.

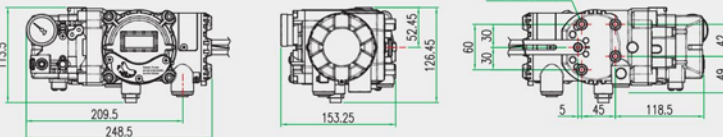
+ L/S: DC24V and Transistor Type Switch.



YT-3400R



YT-3450R



Item · Type	YT-3400	YT-3450
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	Linear Type	10~150mm
	Rotary type	0 ~ 90°
Impedance	Max.450Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	PF 1/2 (G 1/2)	
Ambient Temp.	Standard Type.	-30°C ~ 85°C (-22~185° F)
	Low Temp Type.	-40°C ~ 85°C (-40~185° F)
	Explosion Temp.	-40°C~70°C(T6) / -40°C~85°C(T5)
	LCD Operating Temp.	-30°C ~ 85°C (-22~185° F)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	Stainless Steel 316
Enclosure	IP66	
Explosion Proof type	Ex d IIC T6 / T5	
Weight	3.4kg (7.5lb)	7.0kg(15.4lb)

YT-3400 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Auto calibration
- PID control
- HART communication
- Auto/Manual switch
- Feedback signal
- 4 buttons for local control
- LCD display
- Limit switches

Smart Positioner YT-2300

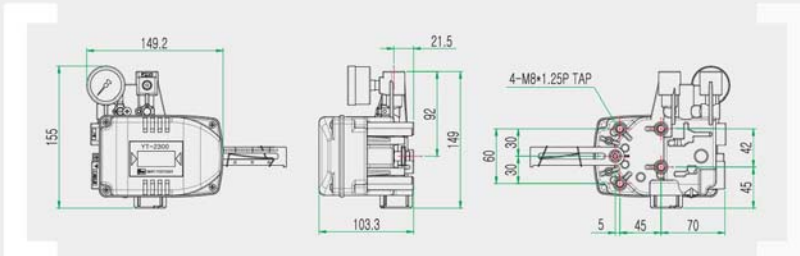
Product Number: YT-2300 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option
				Linear	Rotary			
YT-2300	L Linear	S Single	n Non-Explosion	1 10~40mm	1 M6×34L	1 PT	0 NONE	0 NONE
	R Rotary	D Double	i Ex ia IIC T6/T5	2 20~70mm	2 M6×63L	2 NPT	2 + HART	1 +PTM
				3 50~100mm	3 M8×34L			
				4 100~150mm	4 M8×63L			
					5 NAMUR			



YT-2300R

Item · Type	YT-2300L	YT-2300R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
Temp.	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	1.5kg (3.3lb)	



YT-2300 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Auto calibration
- PID control
- LCD display
- HART communication
- Feedback signal
- Variable orifice
- 4 buttons for local control
- Auto/Manual switch

Smart Positioner YT-2400

Product Number: YT-2400 (specify your requirement)

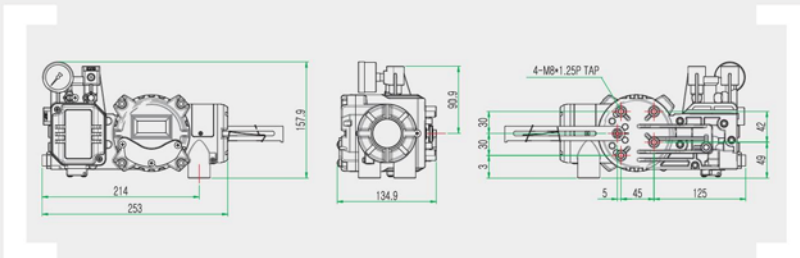
Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option +		
				Linear	Rotary					
YT-2400	L Linear	S Single	H Exd IIB(+H ₂)T6	1 10~40mm	1 M6×34L	1 PT	0 NONE	0 NONE		
		D Double		2 20~70mm	2 M6×63L				2 NPT	
	R Rotary			3 50~100mm	3 M8×34L					2 +HART
				4 100~150mm	4 M8×63L				2 +L/S	
				5 NAMUR					3 +PTM+L/S(Without HART)	

+ L/S: DC24V and Transistor Type Switch.



YT-2400R

Item · Type	YT-2400L	YT-2400R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.430Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176° F)
	Explosion Temp.	-20°C ~60°C (-4 ~140° F)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex d IIB (+H ₂) T6	
Weight	3.35kg (7.37lb)	



YT-2400 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Auto calibration
- PID control
- LCD display
- HART communication
- Feedback signal
- Limit switches
- 4 buttons for local control
- Auto/Manual switch
- Variable orifice

Smart Positioner YT-2500 / YT2550

Product Number: YT-2500 / YT2550 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option *	Fail Option
				Linear	Rotary				
YT-2500	L Linear	S Single	n Non-Explosion	1 10~40mm	1 M6×34L	1 PT	0 NONE	0 NONE	F Fail Freeze
YT-2550	R Rotary	D Double	i Ex ia IIC T6/T5	2 20~70mm	2 M6×63L	2 NPT	2 + HART	1 + PTM	S Fail Safe
				3 50~100mm	3 M8×34L				
				4 100~150mm	4 M8×63L	3 + Foundation Fieldbus	2 + L/S(Mechanical Type)		
					5 NAMUR			3 + L/S(Proximity Type)	
							4 + PTM+L/S(Mechanical Type)		
							5 + PTM+L/S(Proximity Type)		

*L/S for rotary type only

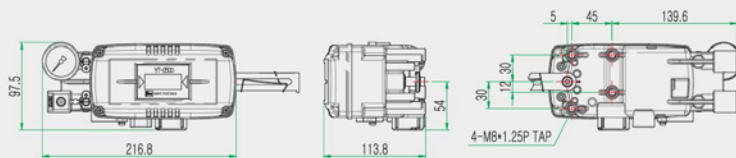


YT-2500R



YT-2550R

Item · Type	YT-2500	YT-2550
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	Linear Type	10~150mm
	Rotary Type	0 ~ 90°
Impedance	Max.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	0.01LPM (sup=0.14MPa)	
Flow Capacity	60 LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	Stainless steel 316
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	1.5kg (3.3lb)	2.9kg (6.4lb)



YT-2500 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Fail freeze function
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Limit switches

Smart Positioner YT-2501

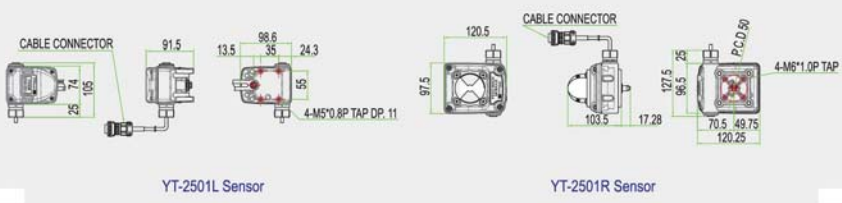
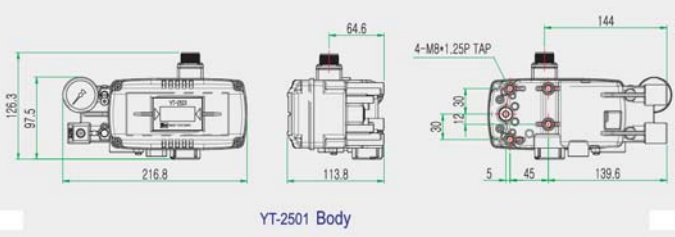
Product Number: YT-2501 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option	Fail Option
				Linear	Rotary				
YT-2501	L Linear	S Single	n Non-Explosion	1 10~40mm	5 NAMUR	1 PT	0 NONE	0 NONE	F Fail Freeze
	R Rotary	D Double	i Ex ia IIC T6/T5	2 20~70mm		2 NPT	2 + HART	1 +PTM	S Fail Safe
				3 50~100mm				3 + Foundation Fieldbus	
				4 100~150mm					

* Maximum cable length is 20M.



Item · Type	YT-2501L	YT-2501R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Sensor Operating Temp.	-40°C ~ 120°C(-40~248°F)
	Body Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	0.01LPM (sup=0.14MPa)	
Flow Capacity	60 LPM(sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	Body	1.5kg (3.3lb)
	Sensor	0.6kg (1.3lb) 0.9kg (2.0lb)



YT-2501 Smart Positioner supplies remote functions and higher liabilities in **high temperature and vibration environment**.

- Separated feedback module
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Fail freeze & safe function

Smart Positioner YT-2600

Product Number: YT-2600 (specify your requirement)

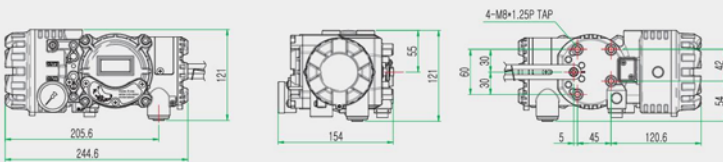
Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option *	Fail Option
				Linear	Rotary				
YT-2600	L Linear	S Single	C Ex d IIC T6	1 10~40mm	1 M6 × 34L	1 PT	0 NONE	0 NONE	F Fail Freeze
		D Double		2 20~70mm	2 M6 × 63L	2 NPT	2 + HART	1 + PTM	S Fail Safe
	R Rotary	D Double	3 50~100mm	3 M8 × 34L				2 + L/S	
			4 100~150mm	4 M8 × 63L				3 + PTM+L/S	
			5 NAMUR						

* L/S: DC 24V and Transistor Type Switch.



YT-2600R

Item · Type	YT-2600L	YT-2600R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Impedance	Max.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176° F)
	Explosion Temp.	-40~70°C(T6) / -40~85°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	0.01LPM (sup=0.14MPa)	
Flow Capacity	50LPM (sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof Type	Ex d IIC T6 / T5	
Weight	3.0kg (6.61lb)	



YT-2600 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Fail freeze function
- Near zero air consumption level
- HART communication
- Auto calibration
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Limit switches

Smart Positioner YT-2700

Product Number: YT-2700 S n 1 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Connection Type	Communication	Option	Fail Option
				Linear	Rotary				
YT-2700	L Linear	S Single	n Non-Explosion	1 5~35mm	1 M6×34L	1 PT	0 NONE	0 NONE	F Fail Freeze
	R Rotary				2 M6×63L				
		3 M8×34L							
		4 M8×63L							
		5 NAMUR							



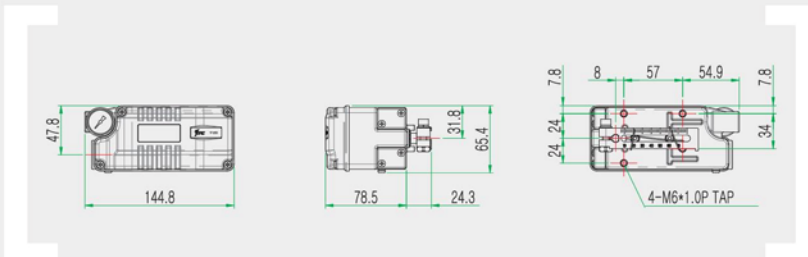
YT-2700



compact size



Item · Type	YT-2700L	YT-2700R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7bar)	
Stroke	5~35mm	0 ~ 90°
Impedance	Max.460Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	PF1/2 (G1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~40°C(T6) / -40~60°C(T5)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	0.01LPM (sup=0.14MPa)	
Flow Capacity	9LPM(sup=0.14MPa)	
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof type	Ex ia IIC T6 / T5	
Weight	0.82kg (1.8lb)	



YT-2700 Compact smart valve positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

- Fail freeze function
- Near zero air consumption level
- HART communication
- Fail safe function
- PD control
- 4 buttons for local control
- LCD display
- Feedback signal
- Auto calibration
- Single acting only

Electro-Pneumatic Positioner YT-1000L

Product Number: YT-1000L ■ ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp*	Option +
YT-1000L	S Single	m Ex dmb IIB T5 (KTL)	1 10 ~ 40mm	1 φ 1	1 PT	S -20°C ~ 60°C	0 NONE
	D Double	C Ex dmb IIC T5 (KTL)	2 30 ~ 70mm	2 φ 2	2 NPT	H -20°C ~ 120°C	2 + SPTM (Smart type)
		i Ex ia IIB T6 (KTL)	3 60 ~ 100mm	3 None	L -40°C ~ 70°C	3 + SPTM with LCD(Smart type)	
		n Non-Explosion	4 100 ~ 150mm				
		f Ex dm IIB T5 (FM)					
		p Ex ia IIC T6 (NEPSI)					
		H Ex dmb IIC T5/T6 (NEPSI)					

* With high temp and/or internal SPTM option, positioner must be non-explosion type.



YT-1000L

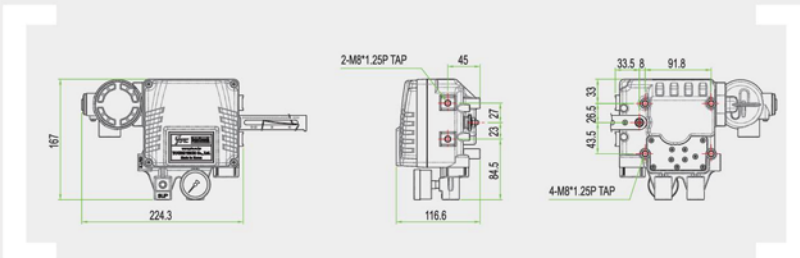


YT-1000L+SPTM(int.)



Item · Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10 ~150mm	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	PF 1/2 (G 1/2)	
Explosion Proof	Ex dmb IIB T5 (KTL) Ex dmb IIC T5 (KTL) Ex ia IIB T6 (KTL) Ex ia IIC T6 (NEPSI) Ex dmb IIC T5/T6 (NEPSI)	
Enclosure	IP66	
Ambient Temp.	Operating	-20°C~70°C(-4~158°F)
	Explosion	-20°C~60°C(-4~140°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	2.5 LPM (sup=0.14MPa)	
Flow Capacity	80 LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	2.7kg (6.1 lb)	

* For additional SPTM specification refer to p.22.



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 20mA or split ranges.

- Simple zero and span adjustment
- No resonance between 5-200Hz
- Auto/Manual switch
- RA v.s. DA action and 1/2 split range setting by simple adjustment
- Internal feedback signal is available as an option (weather proof only)

Electro-Pneumatic Positioner YT-1000R

Product Number: YT-1000R ■ ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp *	Option1	Option2 *
YT-1000R	S Single	m Ex dmb IIB T5 (KTL)	1 M6 × 34L	1 φ 1	1 PT	S -20°C ~ 60°C	0 NONE (St'd)	0 NONE
	D Double	C Ex dmb IIC T5 (KTL)	2 M6 × 63L	2 φ 2	2 NPT	H -20°C ~ 120°C	1 Dome Cover	1 + SPTM(Internal)
		I Ex ia IIB T6 (KTL)	3 M8 × 34L	3 None		L -40°C ~ 70°C		2 + SPTM(External)
		n Non-Explosion	4 M8 × 63L					3 + L / S(Internal)
		f Ex dm IIB T5 (FM)	5 NAMUR					4 + L / S(External)
		P Ex ia IIC T6 (NEPSI)						5 + SPTM + L / S(Internal)
		H Ex dmb IIC T5/T6 (NEPSI)						6 + SPTM + L / S(External)

* With high temp and/or internal SPTM,L/S option, positioner must be non-explosion type.



YT-1000R



YT-1000R+SPTM(int)



YT-1000R+SPTM+L/S(int)



YT-1000R+DOME



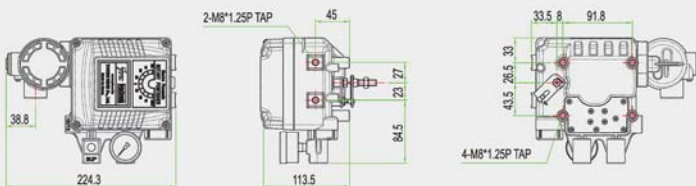
YT-1000R+L/S(ext)
YT-1000R+SPTM+L/S(ext)



YT-1000R+SPTM(ext)

Item · Type	Single	Double
Input Signal	DC 4-20mA	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	0 ~ 90°	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dmb IIB T5 (KTL) Ex dmb IIC T5 (KTL) Ex ia IIB T6 (KTL) Ex ia IIC T6 (NEPSI) Ex dmb IIC T5/T6 (NEPSI)	
Enclosure	IP66	
Ambient Temp	Operating	-20°C~70°C(-4~158°F)
	Explosion	-20°C~60°C(-4~140°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	2.5LPM (sup=0.14MPa)	
Flow Capacity	80LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	2.8kg (6.2 lb)	

* For additional **SPTM, L/S** specification refer to p.22,24(Int.) and 23,25(Ext.).



The Electro-Pneumatic Positioner YT-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20mA or split ranges. (refer to YT-1000L, page 12)

Electro-Pneumatic Positioner YT-1050

Product Number: YT-1050 ■ ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Orifice Type	Connection Type	Ambient Temp
				Linear	Rotary			
YT-1050	L Linear	S Single	n Non-Explosion	1 10 ~ 40mm	1 M6 × 34L	1 φ 1	2 NPT	S -20°C ~ 60°C
	R Rotary	D Double	m Ex dmb IIB T5	2 30 ~ 70mm	2 M6 × 63L	2 φ 2		H -20°C ~ 120°C
				3 60 ~ 100mm	3 M8 × 34L	3 None		L -40°C ~ 70°C
				4 100 ~ 150mm	4 M8 × 63L			
					5 NAMUR			



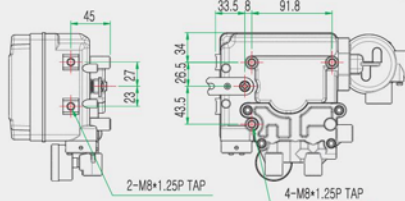
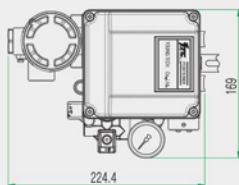
YT-1050R



YT-1050L



Item · Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10~150mm	0 ~ 90°
Air Connection	NPT 1/4	
Gauge Connection	NPT 1/8	
Conduit	PF 1/2 (G 1/2)	
Explosion Proof	Ex dmb IIB T5	
Enclosure	IP66	
Ambient Temp.	Operating	-20°C~70°C(-4~158°F)
	Explosion	-20°C~60°C(-4~140°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	2.5LPM (sup=0.14MPa)	
Flow Capacity	80LPM (sup=0.14MPa)	
Material	Stainless steel 316	
Weight	5.71kg (12.6lb)	



YT-1050, the Electro-Pneumatic Positioner is used for operation of pneumatic valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20mA or split ranges.

- Simple zero and span adjustment
- No resonance between 5-200Hz
- Auto/Manual switch
- RA v.s. DA action and 1/2 split range setting by simple adjustment

Pneumatic-Pneumatic Positioner YT-1200L

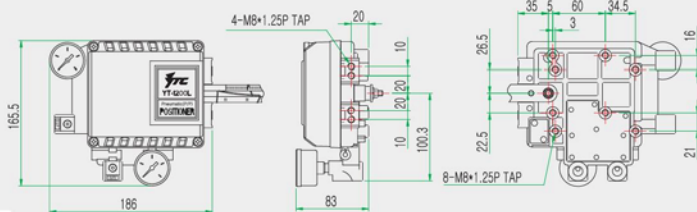
Product Number: YT-1200L ■ ■ ■ ■ ■ (specify your requirement)

Model	Acting Type	Lever Type	Orifice Type	Connection Type	Ambient Temp
YT-1200L	S Single	1 10 ~ 40mm	1 ϕ 1	1 PT	S -20°C ~ 70°C
	D Double	2 30 ~ 70mm	2 ϕ 2	2 NPT	H -20°C ~ 120°C
		3 60 ~ 100mm	3 None		L -40°C ~ 70°C
		4 100 ~ 150mm			



YT-1200L

Item · Type	Single	Double
Input Signal	0.02~0.1MPa(0.2~1 bar)	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	10 ~150mm	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Enclosure	IP66	
Ambient Temp.	-20°C~70°C(-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	2.5LPM (sup=0.14MPa)	
Flow Capacity	80LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	1.7kg (3.1 lb)	



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 5 psi or split ranges.

- Simple zero and span adjustment
- No resonance between 5-200Hz
- Auto/Manual switch
- RA v.s. DA action and 1/2 split range setting by simple adjustment

Pneumatic-Pneumatic Positioner YT-1200R

Product Number: YT-1200R ■ ■ ■ ■ ■ ■ (specify your requirement)

Model	Acting Type	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1
YT-1200R	S Single	1 M6 × 34L	1 Φ 1	1 PT	S -20°C ~ 70°C	0 NONE
	D Double	2 M6 × 63L	2 Φ 2	2 NPT	H -20°C ~ 120°C	1 + Dome Cover
		3 M8 × 34L	3 None			2 + SPTM-5VR
		4 M8 × 63L		3 + SPTM-6VR		
		5 NAMUR		4 + L/S(YT-850)		
					5 + L/S(YT-870)	
					6 + SPTM+L/S(YT-870)	



YT-1200R



YT-1200R+Dome



YT-1200R+YT-850



YT-1200R+SPTM-5VR

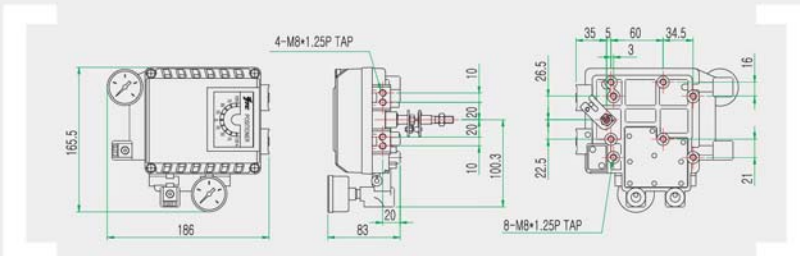


YT-1200R+SPTM-6VR



YT-1200R+YT-870

Item · Type	Single	Double
Input Signal	0.02~0.1MPa(0.2~1 bar)	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	0 ~ 90°	
Air Connection	PT(NPT) 1/4	
Gauge Connection	PT(NPT) 1/8	
Enclosure	IP66	
Ambient Temp.	-20°C~70°C(-4~158°F)	
Linearity	±2% F.S.	
Hysteresis	±1% F.S.	
Sensitivity	±0.5% F.S.	
Repeatability	±0.5% F.S.	
Air Consumption	2.5LPM (sup=0.14MPa)	
Flow Capacity	80LPM (sup=0.14MPa)	
Material	Aluminum Diecasting	
Weight	1.7kg (3.1 lb)	



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 15 psi or split ranges.

- Simple zero and span adjustment
- No resonance between 5-200Hz
- Auto/Manual switch
- RA v.s. DA action and 1/2 split range setting by simple adjustment

Air Filter Regulator YT-200 / YT-205 / YT-220 / YT-225

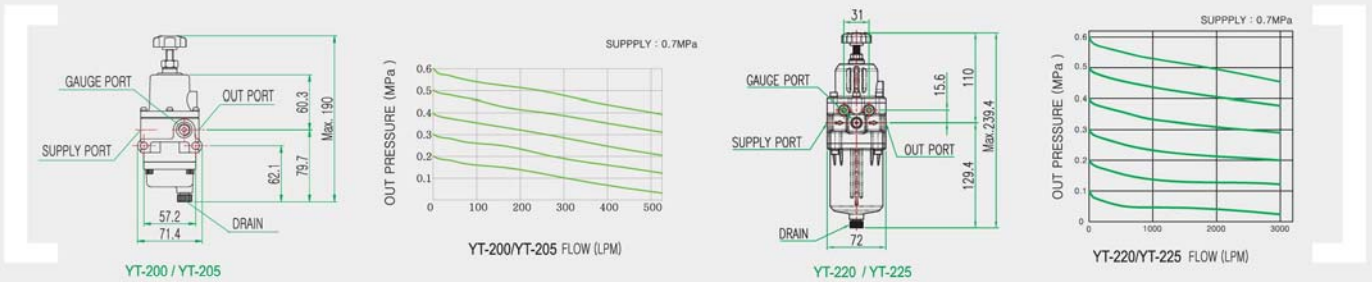
Product Number: YT-200 / YT-205 / YT-220 / YT-225 ■ ■ ■ ■ ■ (specify your requirement)

Model	Adjustable Range	Connection Type *	Gauge	Ambient Temp	Option
YT-200	A 0~0.42MPa	P PT	0 NONE	1 -20~70°C	0 Manual drain
YT-205	B 0~0.84MPa	N NPT	1 0~0.4MPa	2 -20~120°C	1 Auto drain
YT-220			2 0~1.0MPa	3 -40~70°C	
YT-225					

*YT-205, YT-225 is available for NPT1/4 connection type ONLY.



Item - Type	YT-200	YT-220	YT-205	YT-225
Max. Supply Pressure	1.7MPa (17 bar)			
Max. Output Pressure	0.42MPa (A Type) , 0.84MPa (B Type)			
Air Connection	PT (NPT) 1/4	PT (NPT) 1/2	NPT 1/4	NPT 1/2
Gauge Connection	PT (NPT) 1/4	PT (NPT) 1/4	NPT 1/4	NPT 1/4
Ambient Temp.	-20~70°C (-4~158°F) (Standard type)			
Min. Filtering Size	5 micron			
Material	Aluminum Diecasting		Stainless Steel 316	
Weight	0.6kg (1.7lb)	0.86kg (1.89lb)	1.4kg (3.0lb)	2.1kg(4.6lb)



Air filter regulator suitably reduce plant's main air supply pressure and supplies to valve positioner(s) or control device(s).

- Maintain stable outlet pressure
- Light weight and compact size
- 5 micron filter
- Relief function - discharge pressure if outer pressure is higher than set pressure

Volume Booster YT-300 / YT-305 / YT-310 / YT-315 / YT-320 / YT-325

Product Number: YT-300 / YT-305 / YT-310 / YT-315 / YT-320/YT-325 (specify your requirement)

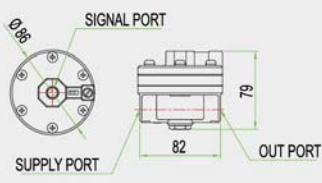
Model	Connection Type*	Ambient Temp
YT-300, YT-305	P PT	1 -20~70°C
YT-310, YT-315	N NPT	2 -20~120°C
YT-320, YT-325		3 -40~70°C

* YT-305, 310, 315, 325 is available for NPT connection type ONLY.

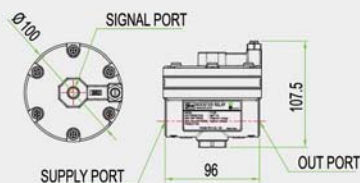
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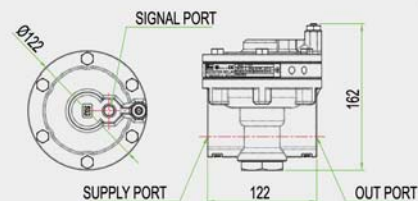
Item · Type	YT-300 YT-305	YT-320 YT-325	YT-310 YT-315			
Max. Supply Pressure	1MPa (10bar)					
Max.Signal /Output Pressure	0.7MPa (7bar)					
Signal/Output Pressure Ratio	1 : 1					
Flow Capacity (Cv)	exhaust	1.02	2.32	4.98		
	output	0.86	1.78	3.85		
Supply/Output Connection	PT(NPT)1/4	NPT 1/2	NPT 3/4			
Signal Connection	PT (NPT) 1/4		NPT 1/4			
Linearity	±1% F.S.					
Ambient Temp.	-20°C ~ 70°C (-4 ~158°F)					
Material	YT-300, YT-320, YT-310 Aluminum Diecasting					
	YT-305, YT-325, YT-315 Stainless Steel 316					
Weight	YT-300	YT-320	YT-310	0.5kg (1.1lb)	0.76kg (1.7lb)	2.3kg (5.1lb)
	YT-305	YT-325	YT-315	1.3kg (2.9lb)	1.9kg (4.2lb)	5Kg (11lb)



YT-300/305



YT-320/325



YT-310/315

Volume booster YT-300, YT-310 and YT-320 boost the valve function's reaction speed by providing large air flow rate to actuator.

- Improves speed of valve movement
- Improves stability with by-pass control
- Reacts to sudden change in supply pressure
- Fixed deadband due to the seat-to-seat type of supply and exhaust pressure

Lock-up Valve YT-400 / YT-405 / YT-430

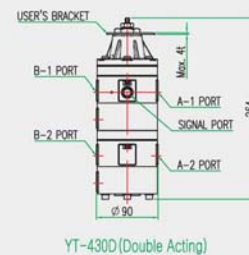
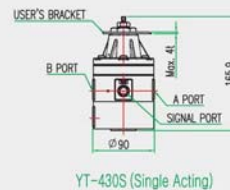
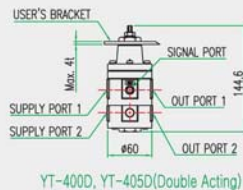
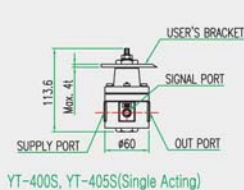
Product Number: YT-400 / YT-405 / YT-430 (specify your requirement)

Model	Acting Type	Connection Type	Ambient Temp
YT-400	S Single	P PT	1 -20~70°C
YT-405	D Double	N NPT	2 -20~120°C
YT-430			3 -40~70°C

* YT-405, YT-430 is available for NPT connection type ONLY.



Item · Type	YT-400	YT-405	YT-430
Signal Pressure	0.14~0.7MPa(1.4~7 bar)		
Max Supply Pressure	Max. 1MPa (10bar)		
Lock-Up Pressure	Max. 0.7MPa (7bar)		
Differential Pressure	Below 0.01MPa (0.1bar)		
Ambient Temp.	-20°C~70°C(-4~158°F)		
Flow Capacity (Cv)	0.9		1.8
Air Connection	PT(NPT)1/4	NPT 1/4	NPT 3/8
Signal Connection	PT(NPT)1/4	NPT 1/4	NPT 1/4
Material	Aluminum Diecasting	Stainless Steel 316	Aluminum Diecasting
Weight	Single	0.45kg(1.0lb)	1.3kg(2.2lb)
	Double	0.7kg(1.5lb)	1.5kg(3.3lb)



Lock-up valve YT-400 senses the main supply pressure and shuts down the air flow when the pressure is lower than setting.

- Compact size - NO bracket is required
- Detects small variation of the pressure - below 0.1 kgf/cm².

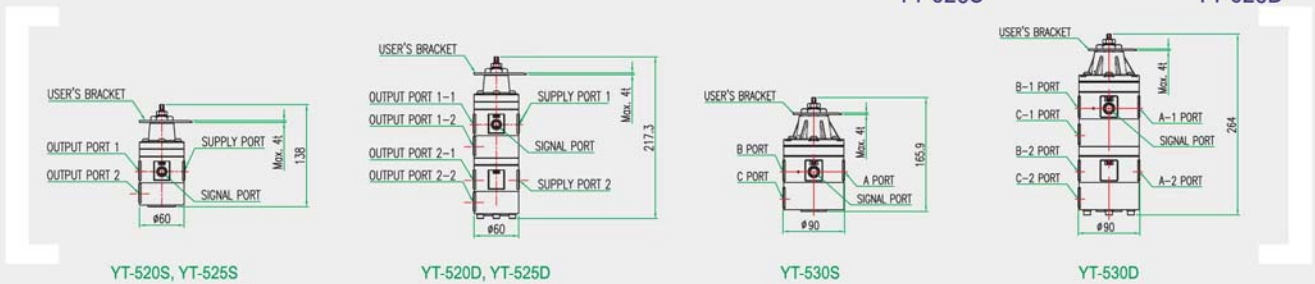
■ Snap Acting Relay YT-520 / YT-525 / YT-530

Product Number: YT-520 / YT-525 / YT-530 (specify your requirement)

Model	Acting Type	Connection Type *	Ambient Temp
YT-520	S Single	2 NPT	1 -20~70°C
YT-525	D Double		2 -20~120°C
YT-530			3 -40~70°C



Item · Type	YT-520	YT-525	YT-530
Signal	0.14~0.7MPa (1.4~7 bar)		
Max Supply Pressure	1MPa (10bar)		
Ambient Temp.	-20~70°C (-4~158°F) (Standard type)		
Signal Connection	NPT1/4		
In / Output Connection	NPT1/4	NPT1/4	NPT 3/8
Flow Capacity (Cv)	0.9	0.9	1.8
Material	Aluminum Diecasting	Stainless Steel 316	Aluminum Diecasting
Weight	Single	0.73kg(1.8lb)	1.3kg(2.2lb)
	Double	1.2kg(2.7lb)	2.3kg(5.1lb)



YT-520, YT-525, YT-530 change the direction of air flow rate from one output port to the another when it senses low air pressure.

- Switches pressure flows when abnormal pressure detected
- Able to lock actuator in its position
- Stem can be extended and connected

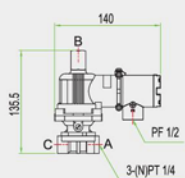
Solenoid Valve YT-700

Product Number: YT-700 (specify your requirement)

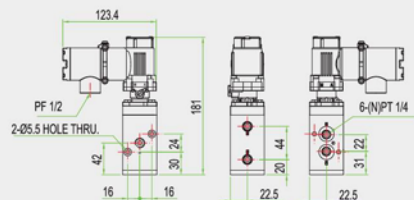
Model	Valve Type	Connection Type	Power Source	Pressure
YT-700	S 3way	P PT	1 AC 110V	1 0~0.4Mpa (3way)
	D 4way	N NPT	2 AC 220V	2 0~0.7Mpa (3way)
			3 DC 24V	3 0.1~1Mpa (4way)



Item · Type	YT-700		
	3 way	4 way	
Max. Supply Pressure	0~0.4MPa 0~0.7MPa	0.1~1MPa	
Flow Capacity (Cv)	Output 0.2(φ3)at 0.4MPa 0.084(φ1.6)at 0.7MPa	0.75	
	Exhaust		0.093
Rating Current	AC 220V	60mA (11w)	30mA(6.6w)
	AC 110V	130mA (12w)	50mA(5.5w)
	DC 24V	580mA (14w)	160mA (3.8w)
Frequency	50~60Hz		
Explosion Proof type	Ex d IIC T6		
Connection Type	PT (NPT) 1/4		
Conduit	PF 1/2 (G1/2)		
Coil Insulation Grade	Class E		
Ambient Temp.	Standard	-20~70 °C (-4~158 °F)	
	Explosion	-20~50 °C (-4~122 °F)	
Weight	0.8kg (1.8lb)	0.9kg (2.0lb)	



YT-700S (3WAY)



YT-700D (4WAY)



YT-700S (3WAY)



YT-700D (4WAY)

Solenoid valve YT-700 opens and shuts by electrical signal of AC or DC, It is built as explosion-proof structure.

- O-ring shapes: less lubrication required
- Balance spool type: no require of backing spring
- Interchangeable of AC and DC coils
- Manual override switch

Position Transmitter SPTM-5V

Product Number: SPTM-5V ■ ■ ■ (specify your requirement)

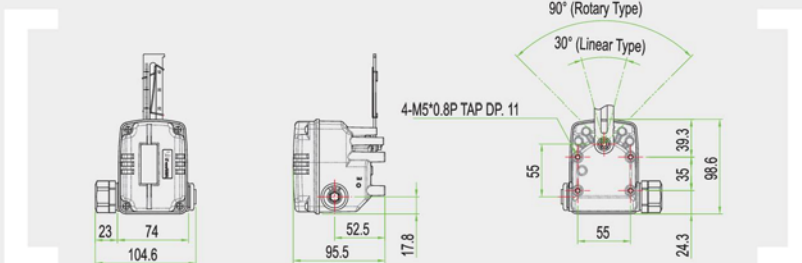
Model	Motion Type	Explosion Proof	Lever Type		Option
			Linear	Rotary	
SPTM-5V	L Linear	i Ex ia IIC T6	1 10~40mm	1 Standard	1 With LCD
	R Rotary		2 20~70mm	2 NAMUR	
			3 50~100mm		
			4 100~150mm		



SPTM-5VL



Item · Type	SPTM-5VL	SPTM-5VR
Input Type	2 Wire	
Input Signal	0~30°	0~90°
Output Signal	4~20mA DC	
Load Resistance	Max.600Ω @ 28V DC	
Supply Voltage	9~28V DC	
Noise Range	50mV p.p	
Conduit	PF 1/2 (G 1/2)	
Enclosure	IP 67	
Explosion Proof	Ex ia IIC T6	
Ambient Temp	Operating	-40~85°C(-40~185°F)
	Explosion	-20~60°C(-4~140°F)
	LCD Operating	-30°C ~ 85°C (-22~185°F)
Linearity	±1% F.S.	
Hysteresis	±0.2% F.S.	
Sensitivity	±0.2% F.S.	
Material	Aluminum Diecasting	
Weight	0.6kg (1.3lb)	



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

- Convenient wiring: 2 wire type
- Convenient adjustment of zero and span
- High accuracy and reliability
- Simple change for RA v.s. DA action setting

Position Transmitter SPTM-6V

Product Number: SPTM-6V C 1 0 (specify your requirement)

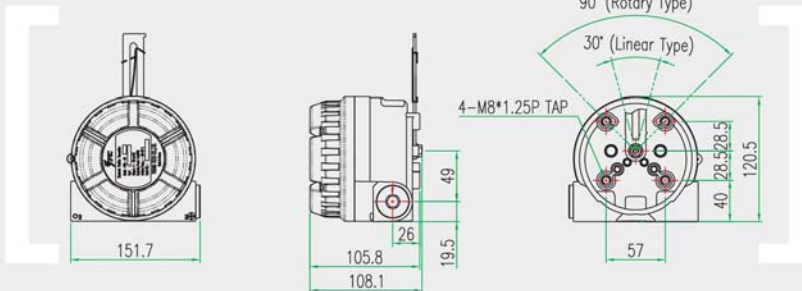
Model	Motion Type	Explosion Proof	Lever Type		Option
			Linear	Rotary	
SPTM-6V	L Linear	C Ex d IIC T6	1 10~40mm	1 Standard	0 NONE
	R Rotary		2 20~70mm	2 NAMUR	L +L/S(Only rotary type can be includ)
	3 50~100mm				
	4 100~150mm				



SPTM-6VL



Item - Type	SPTM-6VL	SPTM-6VR	
PTM	ConnectionType	2 Wire	
	Input Signal	0~30°	0~90°
	Output Signal	4~20mA DC	
	Load Resistance	Max.880Ω @ 30V DC	
	Supply Voltage	9~30V DC	
	Noise Range	50mV p.p	
	Conduit	PF3/4 (G3/4)	
	Ambient Temp.	Operating	-40~85°C(-40~185°F)
		Explosion	-20~60°C(-4~140°F)
	Linearity	±1% F.S.	
Hysteresis	±0.2% F.S.		
Sensitivity	±0.2% F.S.		
L/S	Rating	AC 0.6A 125V~16A 250V	
	Switch Type	2x SPDT	
Explosion Proof	Ex d IIC T6		
Enclosure	IP67		
Material	Aluminum Diecasting		
Weight	1.3kg(2.9lb)		



Flame type of Electronic Position Transmitter SPTM-6V senses mechanical position change of stem being on the valve or similar device and converses to current signal of DC4~20mA outputs.

- Convenient wiring: 2 wire type
- High accuracy and reliability
- Simple change for RA v.s. DA action setting
- Convenient adjustment of zero and span

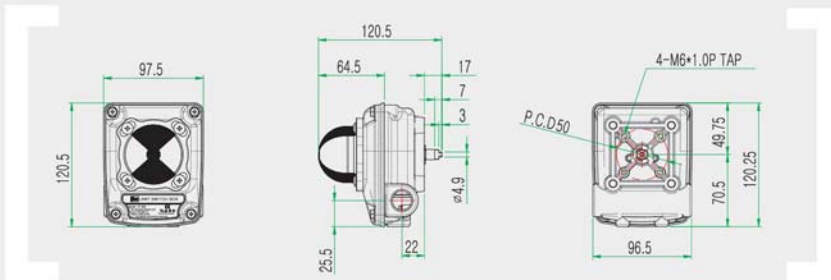
Limit Switch Box YT-850

Product Number: YT-850 ■ ■ ■ ■ (specify your requirement)

Model	Switching Type	Connection Type	Bracket Type	Ambient Temp
YT-850	M Mechanical Type	1 NPT1/2	1 ST-1 (30*80,H20)	1 -20°C ~ 80°C
		3 PF1/2	2 ST-2 (30*80,H30)	2 -20°C ~ 120°C
	P Proximity Type	4 M20	3 ST-3 (30*130,H30)	
			4 ST-4 (30*130,H50)	



Item · Type	YT-850M	YT-850P
Switch Type	Mechanical Switch x 2	Proximity Sensor x 2
Switch Rating	AC:250V 3A, 125V 5A DC:250V 0.2A, 125V 0.4A, 30V 4A	12-24V DC (Operating voltage:10-30V DC)
Enclosure Protection	IP67	
Ambient Temp.	-20°C~80°C	
Conduit Entry	NPT1/2(PT1/2),PF1/2,M20,PG13.5)	
Terminal	8 Points	
Mouting Bracket	NAMUR VDI / VDE 3845, ISO 5211	
Material	Aluminum Diecasting	
Weight	880g (1 94b)	



- Visual position indicator
- 6 contacts of terminal ports
- Compatibility with any rotary motion actuator <ISO5211>
- Easy adjustment of cam position
- Dual 1/2" conduit entries

Limit Switch Box YT-870, YT-875

Product Number: YT-870, YT-875 (specify your requirement)

Model	Switching Type	Connection Type	Bracket Type	Option
YT-870	M Mechanical Type (2 x SPDT)	1 NPT3/4	1 ST-1 (30*80, H20)	0 NONE
YT-875	P Proximity Type	2 PF3/4	2 ST-2 (30*80, H30)	1 +SPTM
	D Mechanical Type (2 x DPDT)	3 M20	3 ST-3 (30*130, H30)	
		4 NPT1/2	4 ST-4 (30*130, H50)	

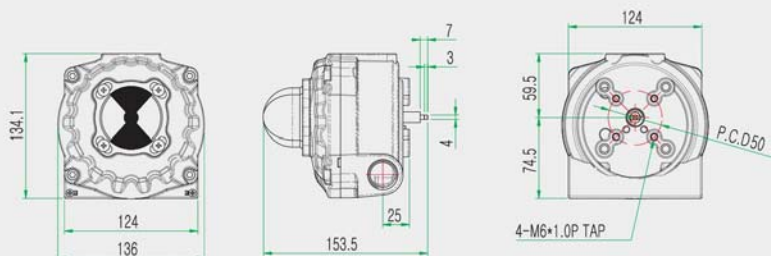


YT-870



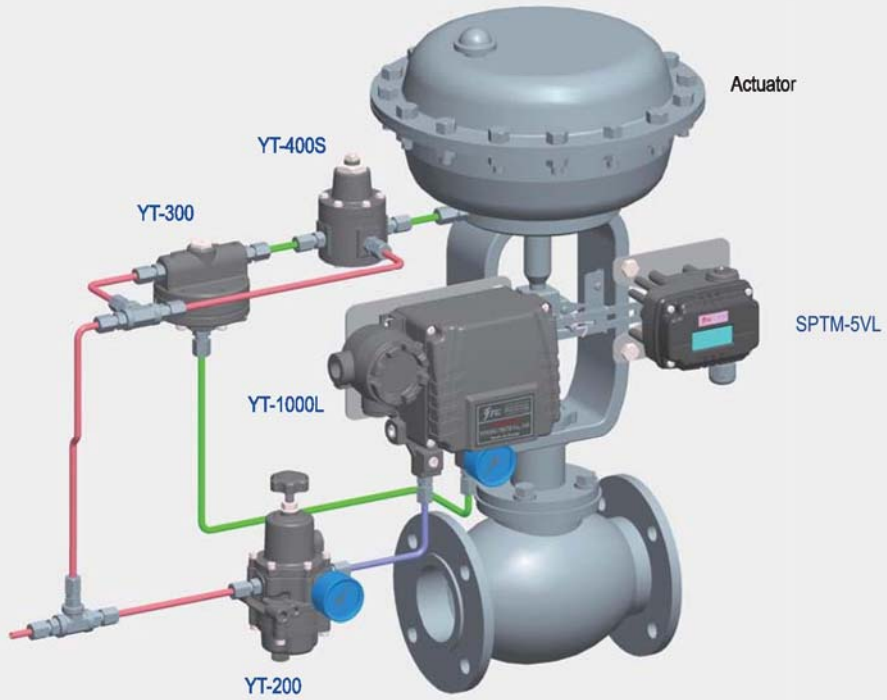
YT-875

Item · Type	YT-870M YT-875M	YT-870P YT-875P	YT-870D YT-875D
Switch Type	Mechanical Switch x 2	Proximity Sensor x 2	Mechanical Switch x 2
Switch Rating	AC: 250V 3A, 125V 5A DC: 250V 0.2A, 125V 0.4A, 30V 4A	12-24VDC (Operating Voltage: 10-30VDC) P&F Type: 8 VDC (Option)	AC: 125 or 250V 10A 480V 2A
Enclosure Protection	IP67		
Explosion Proof	Ex d IIC T6		
Ambient Temp.	-20 °C ~ 60 °C		
Conduit Entry	NPT3/4 (PF3/4, M20)		
Terminal	8 Points		
Mouting Bracket	NAMUR VDI / VDE 3845, ISO 5211		
Material	YT-870	Aluminum Diecasting	
	YT-875	Stainless Steel 316	
Weight	YT-870	1.5kg (3.3lb)	
	YT-875	3.5kg (7.7lb)	

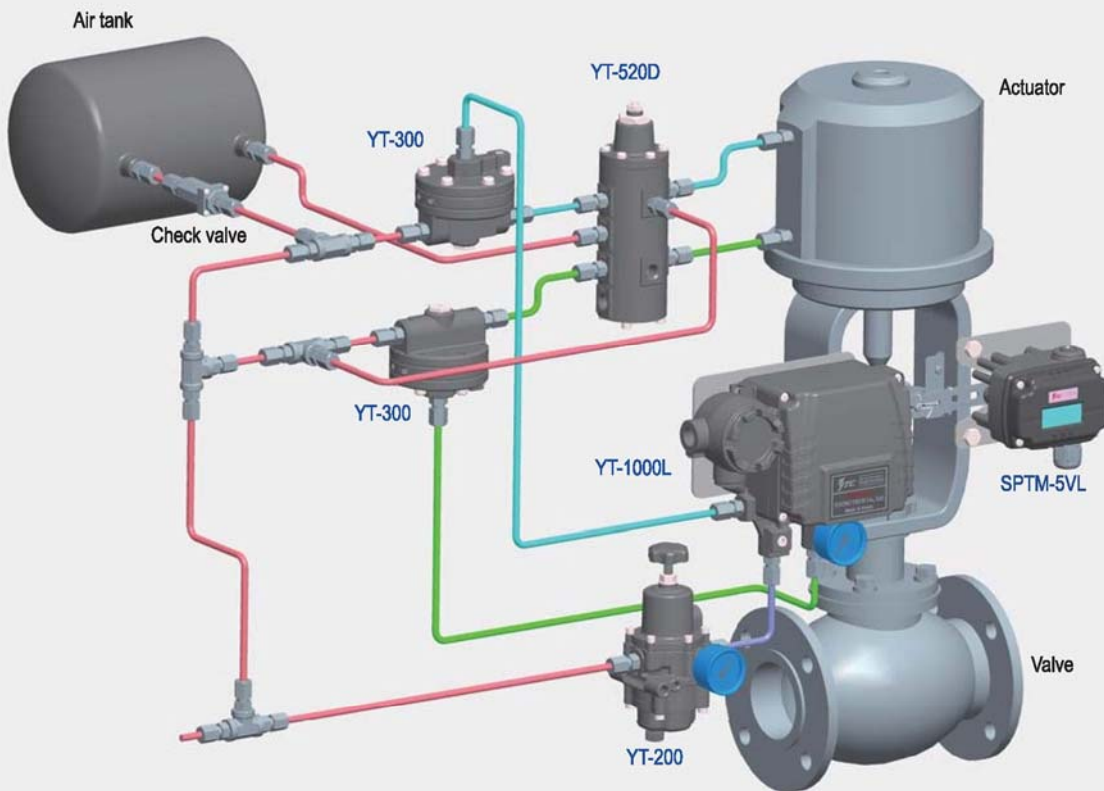


- Visual position indicator
- 8 contacts of terminal ports.
- Compatibility with any rotary motion actuator <ISO5211>
- Easy adjustment of cam position
- Dual 1/2" conduit entries.

Examples for installation (Linear Type)

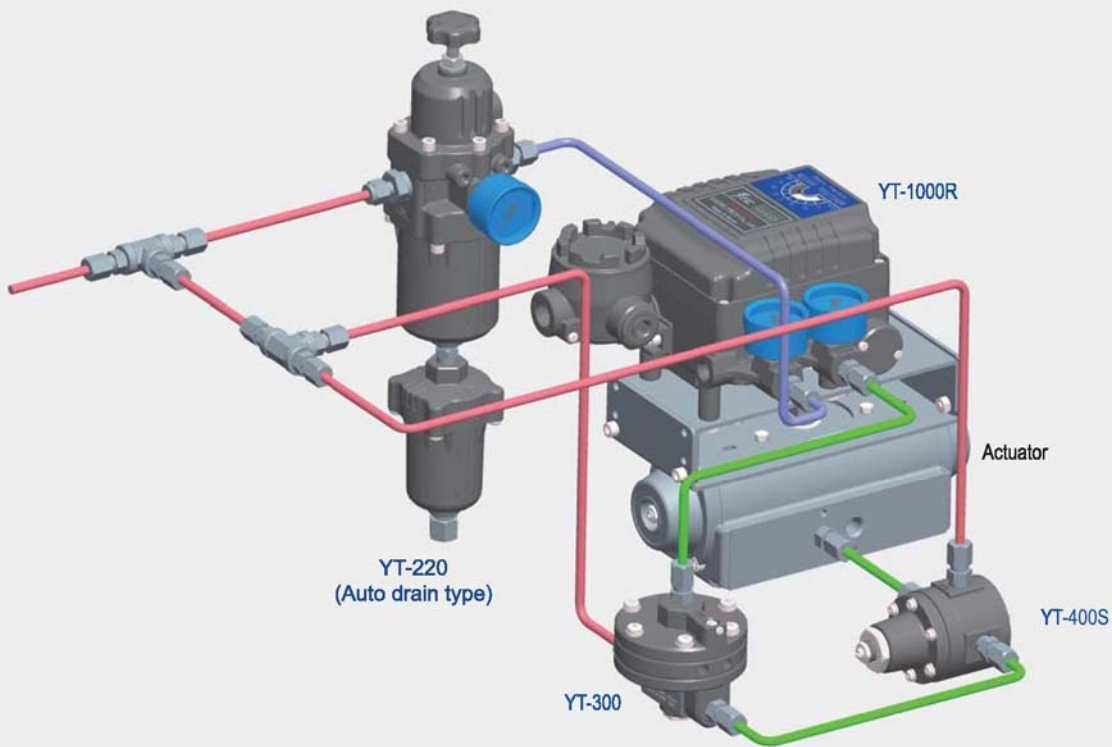


YT-1000L(Single type) Application Example

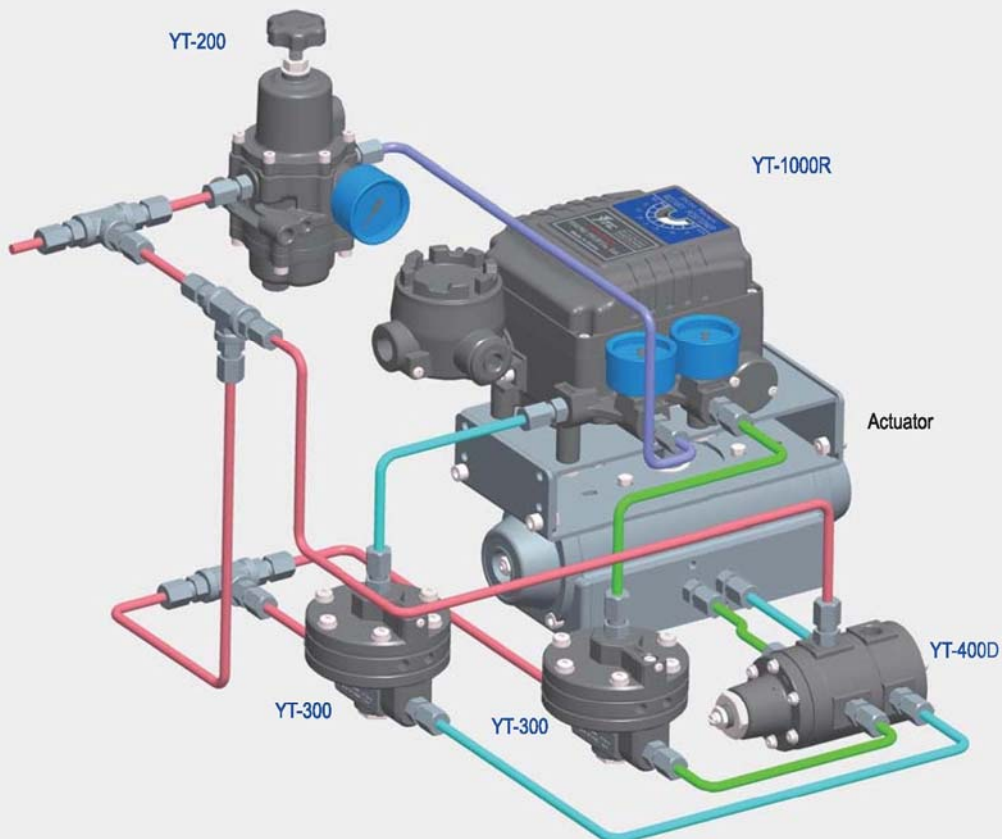


YT-1000L(Double type) Application Example

Examples for installation (Rotary Type)



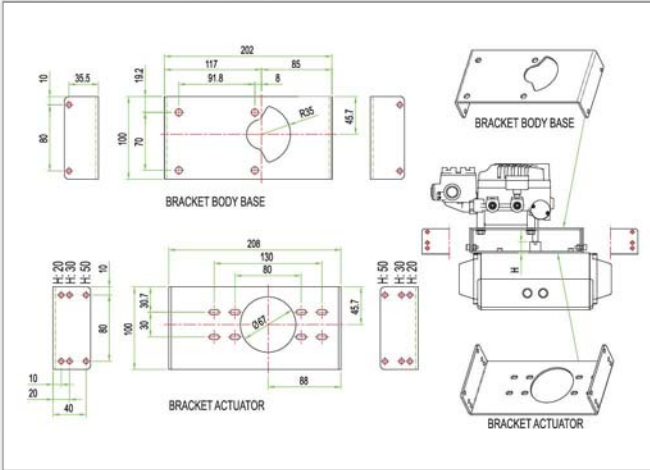
YT-1000R (Single type) Application Example



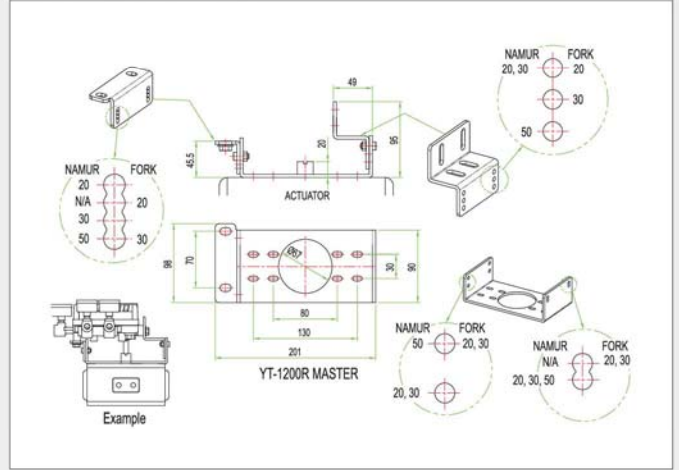
YT-1000R (Double type) Application Example

Bracket & Lever

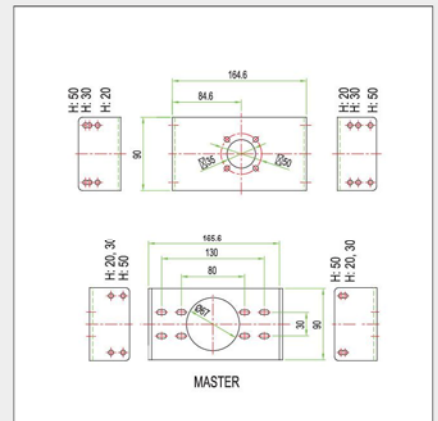
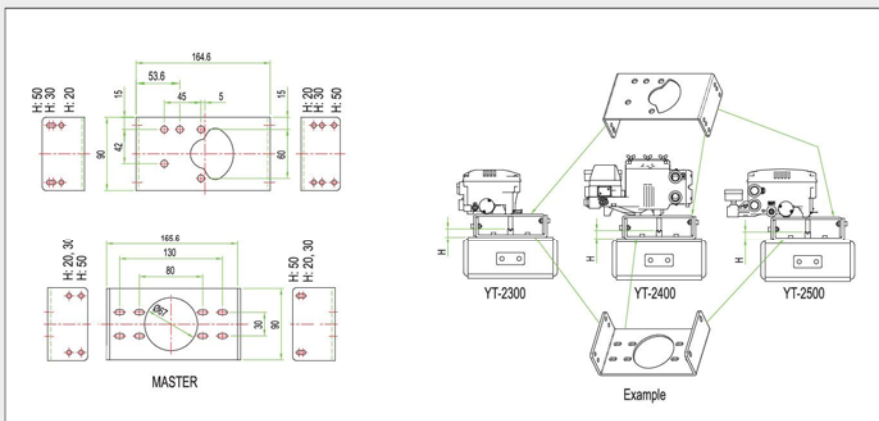
YT-1000R Bracket Series



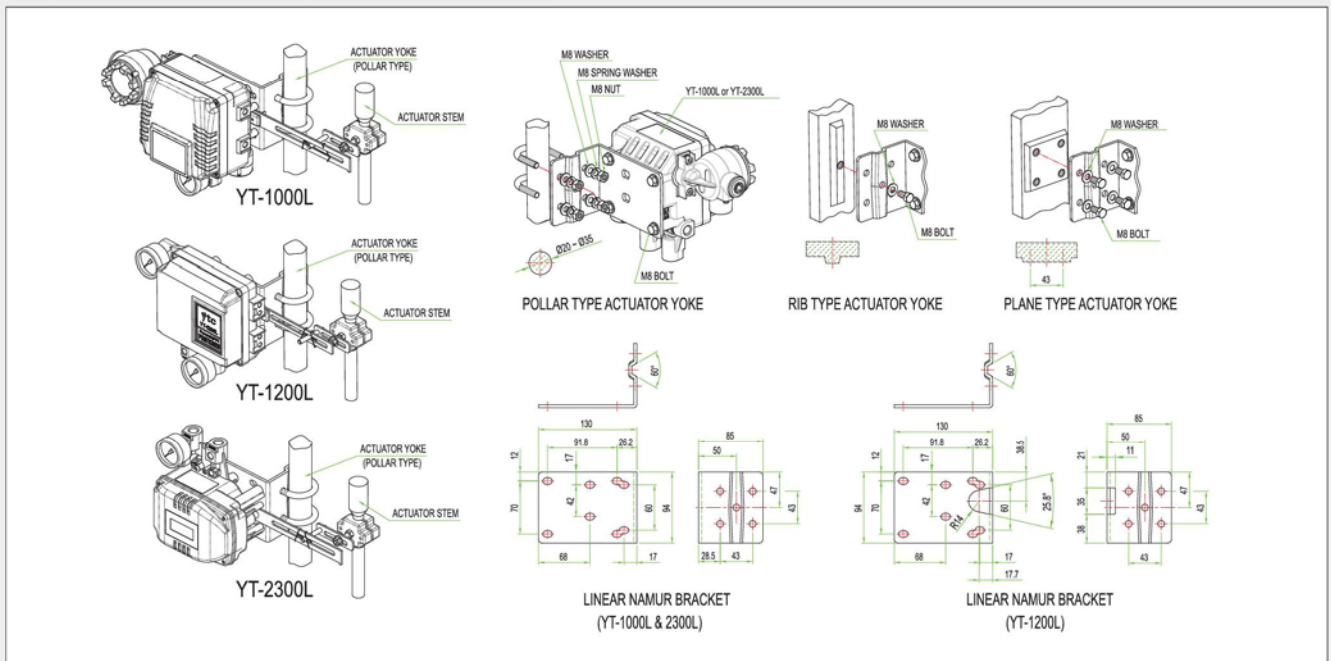
YT-1200R Bracket Series



YT-2300R&YT-2400R&YT-2500R&YT-2550R&YT-2600R&YT-3400R&YT-3450R Bracket Series YT-3300R Bracket Series

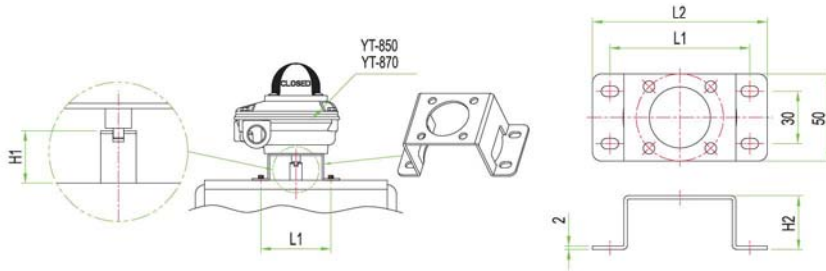


YT-1000L & 1200L & 2300L Namur Bracket Series



Bracket & Lever

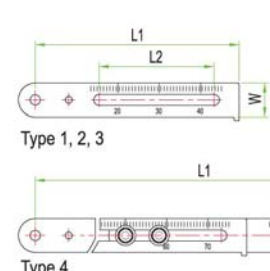
YT-850 & 870 & 875 Bracket Series



Model No.	H1	H2	L1	L2
ST-1	20	30.5	80	100
ST-2	30	40.5		
ST-3	30	40.5	130	150
ST-4	50	60.5		

UNIT: mm

Lever



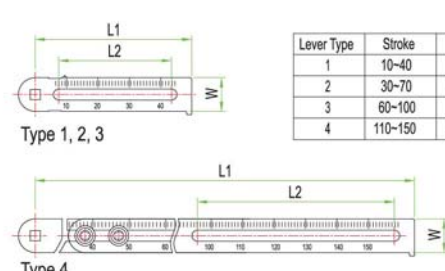
Lever Type	Stroke	L1	L2	W
1	10-40	121.2	68.2	20
2	30-70	195	120	
3	60-100	277	122	
4	110-150	400		

UNIT: mm

Type 1, 2, 3

Type 4

YT-1000 & 1200 Linear Type



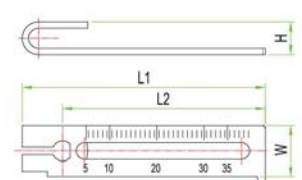
Lever Type	Stroke	L1	L2	W
1	10-40	93	67	20
2	30-70	153.5	106.5	
3	60-100	214	117	
4	110-150	307.3		

UNIT: mm

Type 1, 2, 3

Type 4

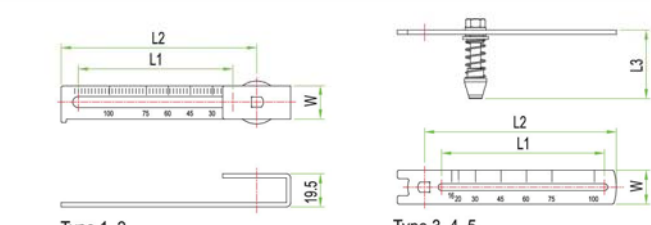
YT-2300 & 2400 & 2500 & 2550 & 3400 & 3450 & SPTM-5V & SPTM-6V Linear Type



Stroke	L1	L2	W	H
5 ~ 35	96.3	80.3	20	13

UNIT: mm

YT-2700 Linear Type



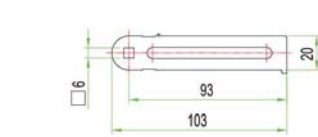
Lever Type	Stroke	L1	L2	L3	W
1 (Standard)	20 ~ 100	91	115		20
2 (Standard)	90 ~ 150	85	165		
3 (Adapter)	16 ~ 30	27	43	40.9	
4 (Adapter)	16 ~ 60	64	80		
5 (Adapter)	16 ~ 100	96	113		

UNIT: mm


Type 1, 2

Type 3, 4, 5

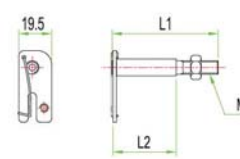
YT-3300 Linear Type



STM-5V Rotary Type



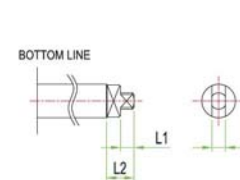
SPTM-6V Rotary Type



Lever Type	L1	L2	M
1	34	9	M6
2	63	37	M6
3	34	9	M8
4	63	37	M8

UNIT: mm

Rotary Type



Model	L1	L2
E/P Positioner	7	11
Smart Positioner	4	8
SPTM-5V & 6V		
YT-850 & 870	3	7

UNIT: mm

Namur Type



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