

rotork® Instruments

Valve Positioners and Accessories



YTC
A rotork® Brand

Keeping the World Flowing

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About YTC

YTC's technique is based on our experience in control valve over twenty years. With our experience, YTC built first Korean made positioner, volume booster, and position transmitter. After 10 years of YTC establishment, we are now serving domestic and overseas customers in more than 55 countries.

To fulfill customers' expectations, YTC products are certified from domestic and international certifying institutions. Following ISO 9001 quality systems, each product is sophisticatedly manufactured with highest workmanship with finest materials. YTC simultaneously strives to develop newest product and technology to the industry to meet today's fast-pace technology.

We are confident that our customer will enjoy and be satisfied with our products.

YTC will continuously strive to develop leading technology product that can provide effective and efficient control solutions.

Sincerely,

CEO Hyun-Gun Lee

History

- 2014.04 Acquired by Rotork PLC
- 2012.12 Certified KEPIC
- 2011.10 Awarded as "Star Company" from Korea Credit Guarantee Fund Association
- 2011.07 Awarded as "Export Small Giant 500 Company" from industrial Bank of Korea
- 2011.04 Recognized as "Main-Biz" for management innovation from Small and Medium Business Administration of Korea
- 2011.02 Expansion to New-built Young Tech.,Ltd factory building
- 2010.01 Certified ISO 9001:2008
- 2009.10 Produced the T/M type smart positioner YT-3300, YT-3400 series
- 2009.02 Certified and registered as Qualified spare parts supplier from Korea Hydro&Nuclear Power Co.,Ltd
- 2008.04 Produced the fail freeze type smart positioner YT-2500 series
- 2005.09 Selected as Approved Korea Hydro & Nuclear Power Co.,Ltd. Parts Vendor List
- 2004.12 Joined Fieldbus
- 2004.01 Established R&D lab
- 2003.02 Certified ISO 9001:2000
- 2002.07 Certified Export-oriented Small and Medium-sized company from Korean Government
- 2002.05 Joined in HART foundation
- 2002.02 Started to produce EA91, EA90 by OEM for Motoyama Eng. Works, Ltd.
- 2000.04 Certified Venture Business (from Korean Government)
- 2000.01 Certified ISO 9001:1994
- 1999.04 Produced the Smart positioner YT-2000L, R
- 1996.05 Produced the Electro-pneumatic positioner YT-1000L, R
- 1996.01 Established Young Tech Co., Ltd.



Certifications



TUV ISO 9001



CE



ATEX



IECEX



FM



CSA



INMETRO



GOST



NEPSI



KTL



SIL



IP66



EMC



KEPIC



Foundation Device Reg



HART Membership

Certifications



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
		CSA	Ex md IIB T5
		NEPSI	Ex ia IIC T6
			Ex dmb IIC T6
		KC	Ex dmb IIB T5
Ex dmb IIC T5			
YT-1050	KC	Ex ia IIB T6	
		Ex dmb IIB T5	
YT-1050	ATEX	Ex dmb IIB T5	
		Ex dmb IIB T5	
Smart Positioner	YT-3300/3350/3301/3303	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T100°C /T85°C Db IP6X
		IECEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T100°C /T85°C Db IP6X
		KC	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T100°C/T85°C Db
	YT-3300	NEPSI	Ex ia IIC T5/ T6
	YT-3300/3301	SIL2/SIL3	Certificate No. V 460.01/14
	YT-3400/3450	ATEX	Ex db IIC T5/T6, Ex tb IIIC T85°C/T100°C
			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
			Ex db IIC T5/T6
	NEPSI	Ex db IIC T5/T6. DIP A21 TA, T5/T6	
		KC	Ex d IIC T5/T6 IP66
	YT-2500	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X
			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
			Ex ia IIC T5/ T6, Ex iaD IIIC T100°C /T85°C
		NEPSI	Ex ia IIC T5/ T6
	SIL2	Certificate No. V 386 2011 C2-1	
	YT-2501	KC	Ex ia IIC T5/ T6, Ex iaD IIIC T100°C /T85°C
			Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X
	YT-2550	ATEX	Ex ia IIC T5/ T6 Gb, Ex iaD IIIC T85°C /T100°C Db IP6X
			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	KC	Ex ia IIC T5/ T6, Ex iaD IIIC T100°C /T85°C
			Ex ia IIC T5/ T6, Ex iaD IIIC T100°C /T85°C
ATEX		Ex db IIC T5/T6, Ex tb IIIC T85°C /T100°C Db	
		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	
SIL2	Certificate No. V 386 2011 C2-1		
	YT-2700	KC	Ex ia IIC T5
IP Converter	YT-940	KC	Ex d IIC T5/T6
Solenoid Valve	YT-720	KC	Ex d IIC T6
Position Transmitter	SPTM-5V	KC	Ex ia IIC T5
	SPTM-6V	KC	Ex d IIC T6 IP67
	SPTM-65V	KC	Ex d IIC T6 IP67
Limit Switch	YT-870, YT-875	ATEX	Ex db IIC T6, Ex tb IIIC T85°C
		IECEX	Ex db IIC T6, Ex tb IIIC T85°C
		CSA	Ex db IIC T6
		KC	Ex d IIC T6
Volume Booster	YT-300, YT-320, YT-310, YT-305, YT-325, YT-315	SIL3	Certificate No. V 356 2011 C4

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

Smart Positioner YT-3300 / YT-3350

Product Number: YT-3300 / YT-3350 (specify your requirement)

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Conduit - Air Connection*	Communication	Option	Ambient Temp
				Linear*	Rotary				
YT-3300	L Linear	S Single	n Non-Explosion	0 10~40mm	1 M6×34L	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C~ 85°C
YT-3350	R Rotary	D Double	i Ex ia IIC T5/T6	1 20~100mm	2 M6×63L	2 G1/2 - NPT1/4	2 + HART	1 + PTM	L -40°C~ 85°C
				2 90~150mm		3 G1/2 - G1/4		2 + L/S(Mechanical Type)	
				3 16~30mm	3 M8×34L	4 M20 - NPT1/4		3 + L/S(Proximity Type)	
				4 16~60mm	4 M8×63L	5 NPT1/2 - NPT1/4		4 + PTM+L/S(Mechanical Type)	
				5 16~100mm	5 NAMUR			5 + PTM+L/S(Proximity Type)	
				6 90~150mm					

*Lever 3~6 is adapter type.

*YT-3350 is available for No.2 ONLY.

SIL2 / SIL3



YT-3300

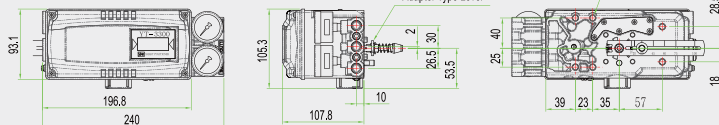


YT-3300+L/S



YT-3350

Item · Type	YT-3300	YT-3350
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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	G(PF,NPT)1/2,M20	G(PF)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.	-40~60°C(T5) / -40~40°C(T6)
	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 ia IIC T5/T6	
L/S Rating	Mechanical Type (Omron)	AC 125V, 3A DC 30V, 2A
	Proximity Type (P&F)	DC 8.2V 8.2mA
Weight	2kg(4.4lb)	5.1kg(11.2lb)



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-3303

Product Number: YT-3303 (specify your requirement)

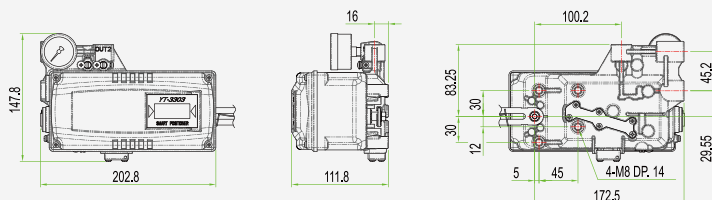
Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Conduit - Air Connection*	Communication	Option	Ambient Temp
				Linear	Rotary				
YT-3303	L Linear	S Single	n Non-Explosion	1 10~40mm	1 M6 × 34L	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C ~ 85°C
		D Double	i Ex ia IIC T5/T6	2 20~70mm	2 M6 × 63L	2 G1/2 - NPT1/4	2 + HART	1 + PTM	L -40°C ~ 85°C
	R Rotary			3 50~100mm	3 M8 × 34L	3 G1/2 - G1/4			
				4 100~150mm	4 M8 × 63L	4 M20 - NPT1/4			
				5 NAMUR	5 NPT1/2 - NPT1/4				



YT-3303



Item · Type	YT-3303	
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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	
Ambient Temp.	Standard Type.	-30°C ~ 85°C (-22~185° F)
	Low Temp Type.	-40°C ~ 85°C (-40~185° F)
	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
	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 T5/ T6	
Weight	2kg (4.4lb)	



YT-3303 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		Conduit - Air Connection*	Communication Option	Ambient Temp	Cable Length *
				Linear	Rotary				
YT-3301	L Linear	S Single	n Non-Explosion	1 10~40mm	5 NAMUR	1 G1/2 - PT1/4	0 NONE	S -30°C~ 85°C	1 5m
	R Rotary	D Double	i Ex ia IIC T5/T6	2 20~70mm		2 G1/2 - NPT1/4	2 + HART	L -40°C~ 85°C	2 10m
				3 50~100mm		3 G1/2 - G1/4			3 15m
				4 100~150mm		4 M20 - NPT1/4			4 20m
						5 NPT1/2 - NPT1/4			

* Maximum cable length is 20m.

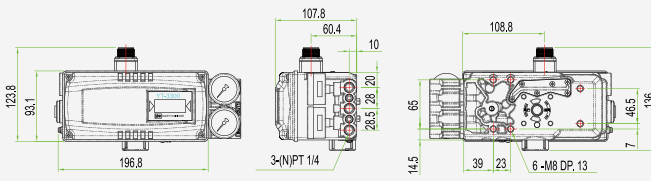


YT-3301R Sensor

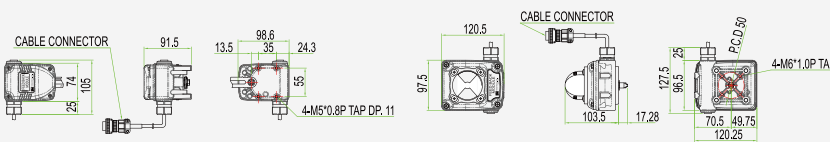


YT-3301L Sensor

YT-3301 Body



YT-3301 Body



YT-3301L Sensor

YT-3301R Sensor



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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	
Ambient Temp.	Sensor Operating Temp.	-40°C ~ 120°C (-40~248°F)
	Body Operating Temp.	-30°C ~ 85°C (-22~185°F)
	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
	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 T5/ T6	
Weight	Body	2kg (4.4lb)
	Sensor	0.6kg (1.3lb) 0.9kg (2.0lb)

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		Conduit - Air Connection*	Communication	Option *	Ambient Temp
				Linear	Rotary				
YT-3400	L Linear	S Single	C Ex d IIC T5/T6	1 10~40mm	1 M6 × 34L	1 G1/2 - PT1/4	0 NONE	0 NONE	S -30°C ~ 85°C
YT-3450	R Rotary	D Double		2 20~70mm	2 M6 × 63L	2 G1/2 - NPT1/4	2 + HART	1 +PTM	L -40°C ~ 85°C
				3 50~100mm	3 M8 × 34L	3 G1/2 - G1/4		2 +L/S	
				4 100~150mm	4 M8 × 63L	4 M20 - NPT1/4		3 +PTM+L/S	
					5 NAMUR	5 NPT1/2 - NPT1/4			

* YT-3450 is available for No.2 ONLY.

* L/S: DC24V and Transistor Type Switch.



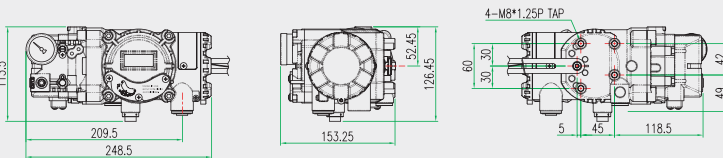
YT-3400



YT-3450



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	Max450Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	G(PF,NPT)1/2, M20	G(PF)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.	-40~80°C(T5) / -40~70°C(T6)
	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 T5/T6	
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-2500 / YT2550

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

Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Conduit - Air Connection*	Communication	Option	Fail Option		
				Linear	Rotary						
YT-2500	L Linear	S Single	n Non-Explosion	1 10~40mm	1 M6×34L	1 G1/2 - PT1/4	0 NONE	0 NONE	F Fail Freeze		
YT-2550	R Rotary	D Double	i Ex ia IIC T5/T6	2 20~70mm	2 M6×63L	2 G1/2 - NPT1/4	2 + HART	1 + PTM	S Fail Safe		
				3 50~100mm	3 M8×34L	3 G1/2 - G1/4				3 + Foundation Fieldbus*	2 + L/S(Mechanical Type)
				4 100~150mm	4 M8×63L	4 M20 - NPT1/4					
					5 NAMUR	5 NPT1/2 - NPT1/4				4 + PTM+L/S(Mechanical Type)	5 + PTM+L/S(Proximity Type)

*YT-2550 is available for No.2 ONLY.

*FF is available for only non-explosion model and cannot have any other options.

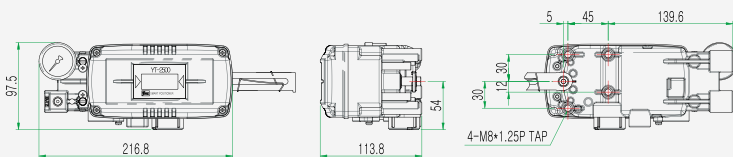


YT-2500



YT-2550

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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	NPT 1/4
Gauge Connection	PT(NPT)1/8	NPT 1/8
Conduit	G(PF,NPT)1/2, M20	G(PF)1/2
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 °F)
	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Fail Freeze	0.01LPM (sup=0.14MPa)
	Fail Safe	6 LPM (sup=0.14MPa)
Flow Capacity	Fail Freeze	60 LPM (sup=0.14MPa)
	Fail Safe	40 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 T5/ T6	
L/S Rating	Mechanical Type (Omron)	AC 125V, 3A DC 30V, 2A
	Proximity Type (P&F)	DC 8.2V 8.2mA
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)

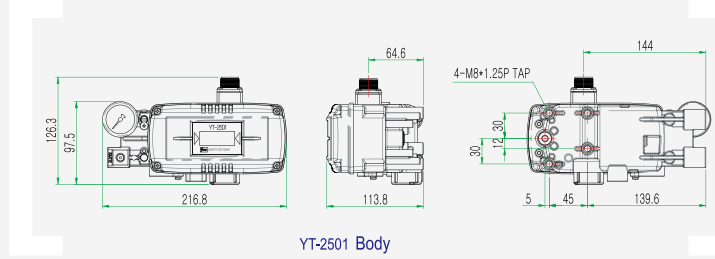
Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Conduit - Air Connection	Communication*	Option	Fail Option	Cable Length*
				Linear	Rotary					
YT-2501	L Linear	S Single	n Non-Explosion	1 10~40mm	5 NAMUR	1 G1/2 - PT1/4	0 NONE	0 NONE	F Fail Freeze	1 5m
		D Double	i Ex ia IIC T5/T6	2 20~70mm		2 G1/2 - NPT1/4	2 + HART	1 +PTM	S Fail Safe	2 10m
	R Rotary			3 50~100mm		3 G1/2 - G1/4	3 + Foundation			3 15m
				4 100~150mm		4 M20 - NPT1/4		Fieldbus		4 20m
						5 NPT1/2 - NPT1/4				

*FF is available for only non-explosion model and cannot have any other options.

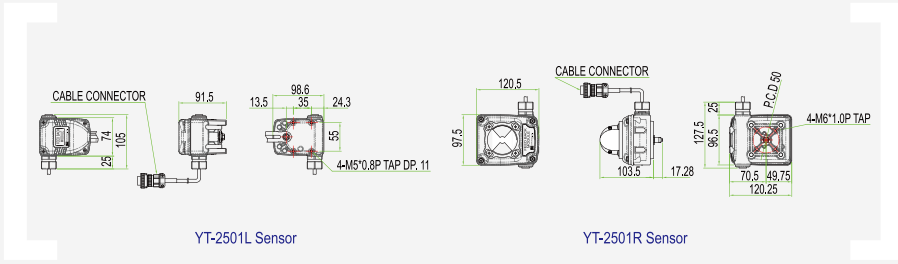
* Maximum cable length is 20m.



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.500Ω @ 20mA DC	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	
Ambient Temp.	Sensor Operating Temp.	-40°C ~ 120°C (-40~248°F)
	Body Operating Temp.	-30°C ~ 80°C (-22~176 °F)
	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Fail Freeze	0.01LPM (sup=0.14MPa)
	Fail Safe	6 LPM (sup=0.14MPa)
Flow Capacity	Fail Freeze	60 LPM (sup=0.14MPa)
	Fail Safe	40 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 T5/T6	
Weight	Body	1.5kg (3.3lb)
	Sensor	0.6kg (1.3lb) 0.9kg (2.0lb)



YT-2501 Body



YT-2501L Sensor

YT-2501R Sensor

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)

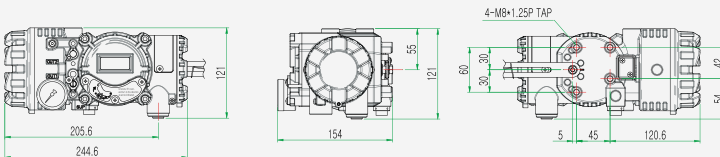
Model	Motion Type	Acting Type	Explosion Proof	Lever Type		Conduit - Air Connection	Communication	Option *	Fail Option			
				Linear	Rotary							
YT-2600	L Linear	S Single	C Ex d IIC T5/T6	1 10~40mm	1 M6 × 34L	1 G1/2 - PT1/4	0 NONE	0 NONE	F Fail Freeze			
	R Rotary	D Double		2 20~70mm	2 M6 × 63L	2 G1/2 - NPT1/4				2 + HART	1 + PTM	S Fail Safe
				3 50~100mm	3 M8 × 34L	3 G1/2 - G1/4					2 + L/S	
				4 100~150mm	4 M8 × 63L	4 M20 - NPT1/4					3 + PTM+L/S	
						5 NAMUR				5 NPT1/2 - NPT1/4		

* L/S: DC24V and Transistor Type Switch.



YT-2600

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,G)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G(PF,NPT)1/2, M20	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176 ° F)
	Explosion Temp.	-40~80°C(T5) / -40~70°C(T6)
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Consumption	Fail Freeze	0.01LPM (sup=0.14MPa)
	Fail Safe	6 LPM (sup=0.14MPa)
Flow Capacity	Fail Freeze	50LPM (sup=0.14MPa)
	Fail Safe	40LPM (sup=0.14MPa)
Output Characteristics	Linear, EQ%, Quick Open user set (16 Point)	
Material	Aluminum Diecasting	
Enclosure	IP66	
Explosion Proof Type	Ex d IIC T5/T6	
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 2 1 2 0 0 F (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			i Ex ia IIC T5	2 8~50mm					2 M6×63L
					3 M8×34L					
						4 M8×63L				
						5 NAMUR				

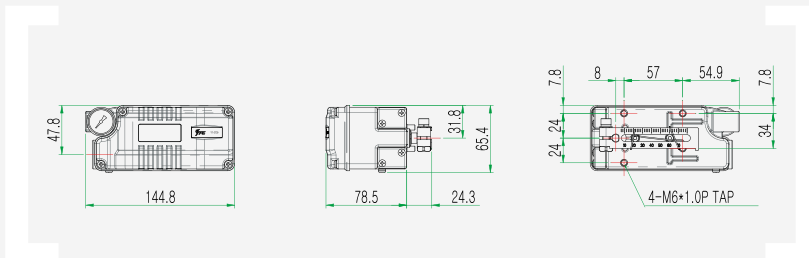


YT-2700



compact size

Item · Type	YT-2700L	YT-2700R
Input Signal	4~20mA DC	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	5~35mm	0 ~ 90°
Impedance	Max.450Ω @ 20mA DC	
Air Connection	PT(NPT)1/4	
Gauge Connection	PT(NPT)1/8	
Conduit	G1/2 (PF1/2)	
Ambient Temp.	Operating Temp.	-30°C ~ 80°C (-22~176° F)
Temp.	Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)
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 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

Smart Positioner YT-2701

Product Number: YT-2701 L S n (specify your requirement)

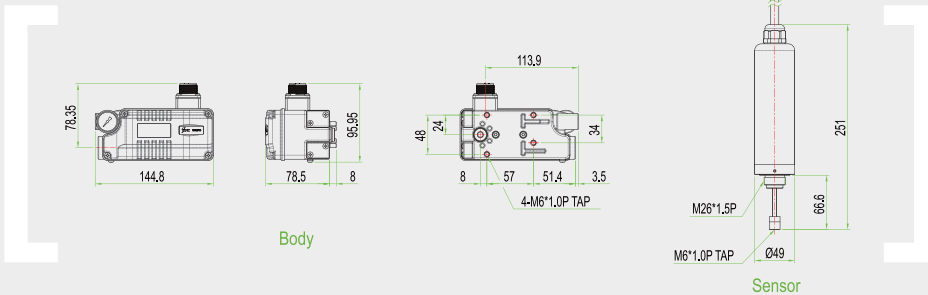
Model	Motion Type	Acting Type	Explosion Proof	Lever Type	Connection Type	Communication	Option	Fail Option	Cable Length*
YT-2701	L Linear	S Single	n Non-Explosion	1 5~50mm	2 NPT	0 NONE 2 +HART	0 NONE 1 +PTM	F Fail Freeze S Fail Safe	0 Standard type 1 5m 2 10m 3 15m 4 20m

* Maximum cable length is 20m.



YT-2701 (Standard type)

Item · Type	YT-2701
Input Signal	4~20mA DC
Supply Pressure	0.14~0.7MPa(1.4~7 bar)
Stroke	5~50mm
Impedance	Max.450Ω @ 20mA DC
Air Connection	NPT 1/4
Gauge Connection	NPT 1/8
Conduit	G1/2 (PF1/2)
Ambient Temp.	-30°C ~ 80°C (-22~176° F)
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
Weight	0.82kg (1.8lb)



YT-2701 Compact smart valve positioner accurately controls valve stroke, according to input signal of 4-20mA being delivered from controller.

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

Smart Positioner TMP-3000

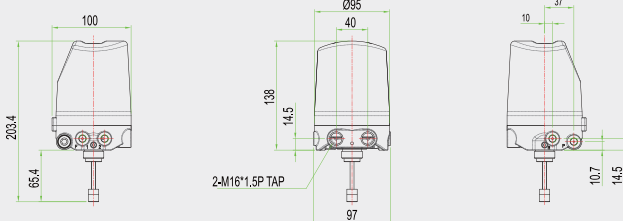
Product Number: TMP-3000 n G 1 0 F (specify your requirement)

Model	Acting Type	Explosion Proof	Connection Type	Flow Capacity	Option	Fail Option
TMP-3000	S Single	n Non-Explosion	G G1/8	1 20LPM	0 NONE	F Fail Freeze
	D Double			2 50LPM	1 + PTM	S Fail Safe



TMP-3000

Item · Type	TMP-3000
Power Supply	24VDC ± 10%
Input Signal	0/4 ... 20mA, 0 ... 5/10V
Residual Ripple	10%, Not industrial DC
Power Consumption	< 4W
Output	4 ~ 20mA
Output Characteristics	Linear, EQ%, Quick Open user set (16 point)
Ambient Temp.	-10 ~ 60 °C
Supply Pressure	0 ~ 0.7 MPa (0 ~ 7 bar)
Air Consumption	0 LPM
Flow Capacity	20 / 50 LPM
Filtering Size	5 micron
Acting Type	Single 2 solenoid valves Double 4 solenoid valves
Stroke	5 ~ 40mm
Air Connection	G1/8 (Ø6mm tube)
Conduit	2- M16x1.5 (with screw terminals)
Enclosure	IP66
Body Material	PPS
Cover Material	PC
Weight	520 g



TMP-3000 valve stroke, according to input signal of 4-20mA being delivered from controller.

- Interchangeable fail action
- Near zero consumption level
- LCD display with backlight
- Feedback signal
- 4 buttons for local control
- Simple mounting
- Auto calibration

Electro-Pneumatic Positioner YT-1000L

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

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Conduit - Air Connection	Ambient Temp*	Option *
YT-1000L	S Single	m Ex dmb IIB T5 (KTL)	1 10 ~ 40mm	1 Φ 1	1 G1/2 - PT1/4	S -20°C ~ 60°C	0 NONE
	D Double	C Ex dmb IIC T5 (KTL)	2 30 ~ 70mm	2 Φ 2	2 G1/2 - NPT1/4	H -20°C ~ 120°C	2 + SPTM (Smart type)
		i Ex ia IIB T6 (KTL)	3 60 ~ 100mm	3 None	3 G1/2 - G1/4	L -40°C ~ 70°C	3 + SPTM with LCD(Smart type)
		h Non-Explosion	4 100 ~ 150mm	4 M20 - NPT1/4			
		f Ex dm IIB T5 (FM)		5 NPT1/2 - NPT1/4			
		P Ex ia IIC T6 (NEPSI)					
		H Ex dmb IIC T5/T6 (NEPSI)					

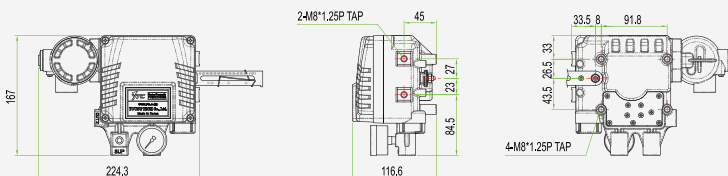
* With high temp and/or internal SPTM option, positioner must be non-explosion type.



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,G)1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	G(PF,NPT)1/2, M20	
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.26.

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	Conduit - Air Connection	Ambient Temp *	Option1	Option2 *
YT-1000R	S Single	m Ex dmb IIB T5 (KTL)	1 M6 × 34L	1 φ 1	1 G1/2 - PT1/4	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 G1/2 - NPT1/4	H -20°C ~ 120°C	1 Dome Cover	1 + SPTM(Internal)
		i Ex ia IIB T6 (KTL)	3 M8 × 34L	3 None	3 G1/2 - G1/4	L -40°C ~ 70°C		2 + SPTM(External)
		n Non-Explosion	4 M8 × 63L		4 M20 - NPT1/4			3 + L / S(Internal)
		f Ex dm IIB T5 (FM)	5 NAMUR		5 NPT1/2 - NPT1/4			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



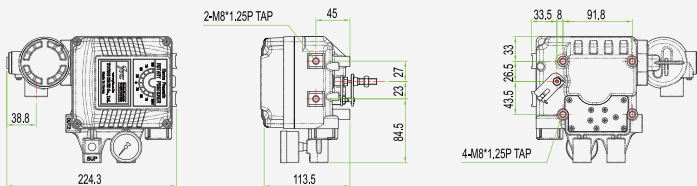
YT-1000R+L/S(ext)
YT-1000R+SPTM+L/S(ext)



YT-1000R+SPTM(ext)

Item · Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250 ± 15 Ω	
Supply Pressure	0.14~0.7MPa(1.4~7 bar)	
Stroke	0 ~ 90°	
Air Connection	PT(NPT,G)1/4	
Gauge Connection	PT(NPT) 1/8	
Conduit	G(PF,NPT)1/2, M20	
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. 26,28(Int.) and 27,29(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 14)

Electro-Pneumatic Positioner YT-1050

Product Number: YT-1050 2 (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			



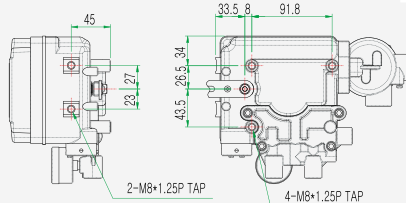
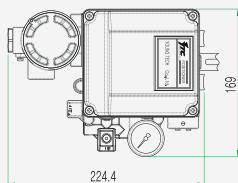
YT-1050R



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	G 1/2 (PF 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

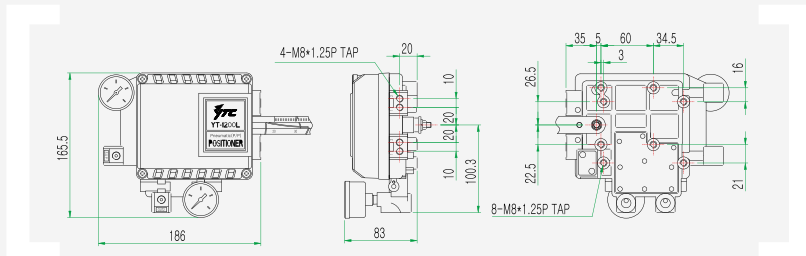
Product Number: YT-1200L (specify your requirement)

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	Option
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)		
					L -40°C ~ 70°C	5 + L/S(YT-870)
						6 + SPTM+L/S(YT-870)



YT-1200R



YT-1200R+Dome



YT-1200R+YT-850



YT-1200R+SPTM-5VR



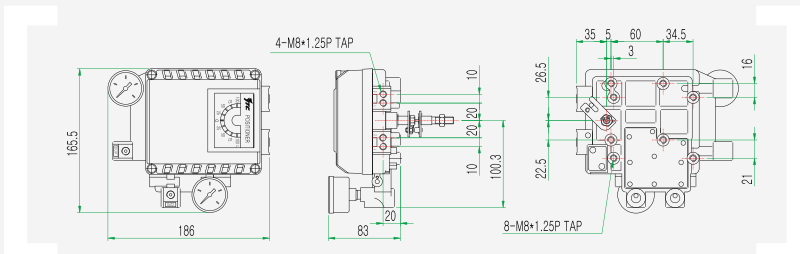
YT-1200R+SPTM-6VR



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)	

* For additional **SPTM, L/S** specification refer to p. 26,28(Int.) and 27,29(Ext.).



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

IP Converter YT-930

Product Number: YT-930 ■ ■ ■ ■ ■ ■ (specify your requirement)

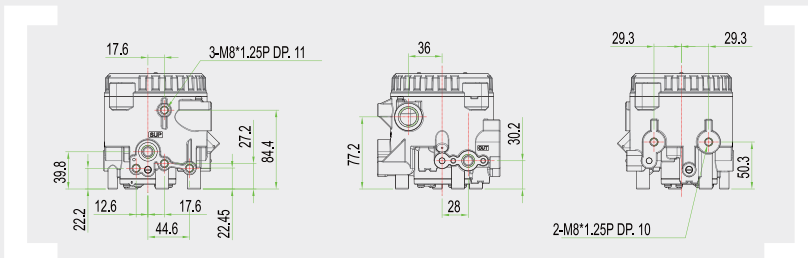
Model	Explosion Proof	Output Pressure *	Connection Type	Ambient Temp	Option	Gauge
YT-930	n Non-Explosion	1 0.02 ~ 0.1MPa	1 PT	S -30°C~ 80°C	0 NONE	0 NONE
		2 0.00 ~ 0.12MPa	2 NPT	L -40°C~ 85°C	1 +Feedback Signal (4~20mA DC)	1 0~0.2MPa
		3 0.04 ~ 0.2MPa		2 0~0.4MPa		
		4 0.00 ~ 0.23MPa				

*Can be adjusted within #2~#4 range.



YT-930

Item · Type	YT-930	
Input Signal	4 ~ 20mA DC	
Output Signal	Standard	0.02 ~ 0.1 MPa (0.2 ~ 1.0 bar)
	Multirange	0 ~ 0.12 MPa (0 ~ 1.2 bar)
		0.04 ~ 0.2 MPa (0.4 ~ 2.0 bar)
Supply Pressure	Standard	0.12 ~ 0.16 MPa (1.2 ~ 1.6 bar)
	Minimum	0.2 bar greater than the maximum calibrated output pressure
	Maximum	0.24 MPa (2.4 bar)
Air consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Repeatability	±0.3% F.S.	
Explosion Temp.	-40~60°C(T5) / -40~40°C(T6)	
Operating Temp.	-30~85°C (-22~185°F)	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Linearity	±0.5% F.S.	
Air Connection	(N)PT 1/4	
Conduit	PF 1/2 (G 1/2)	
Protection	IP66	
Required Operating Voltage	Min. 6.0 V (at 4 mA)	
	Max. 7.2 V (at 20 mA)	
Material	Aluminum Diecasting	
Weight	3kg (6.61 lb)	



YT-930 IP Converter accurately provides equipments with relevant air pressure, according to input signal of 4~20mA being delivered from the controller.

- High accuracy and sensitivity
- Simple zero and span adjustment
- Feedback Signal (Option)
- Analog PID Control
- Tubeless connection of YT-200, Air Regulator
- No effect from mounting orientation

IP Converter YT-940

Product Number: YT-940 C (specify your requirement)

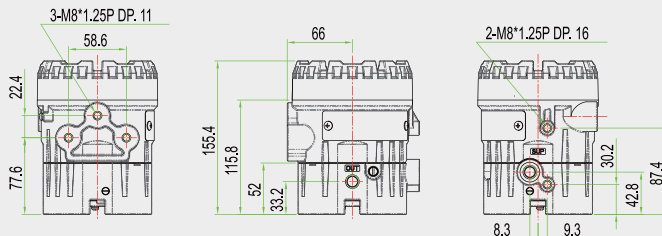
Model	Explosion Proof	Output Pressure *	Connection Type	Ambient Temp	Option	Gauge
YT-940	C Ex d IIC T5/T6	1 0.02 ~ 0.1MPa 2 0.00 ~ 0.12MPa 3 0.04 ~ 0.2MPa 4 0.00 ~ 0.23MPa	1 PT 2 NPT	S -30°C~ 80°C L -40°C~ 85°C	0 NONE 1 +Feedback Signal (4~20mA DC)	0 NONE 1 0~0.2MPa 2 0~0.4MPa

*Can be adjusted within #2~#4 range.



YT-940

Item · Type	YT-940	
Input Signal	4 ~ 20mA DC	
Output Signal	Standard	0.02 ~ 0.1 MPa (0.2 ~ 1.0 bar)
	Multirange	0 ~ 0.12 MPa (0 ~ 1.2 bar)
		0.04 ~ 0.2 MPa (0.4 ~ 2.0 bar)
Supply Pressure	Standard	0.12 ~ 0.16 MPa (1.2 ~ 1.6 bar)
	Minimum	0.2 bar greater than the maximum calibrated output pressure
	Maximum	0.24 MPa (2.4 bar)
Explosion Proof	II 2G Ex d IIC T5/T6 II 2D Ex tb IIIC T85°C/T100°C	
Air consumption	Below 2LPM (sup=0.14MPa)	
Flow Capacity	70LPM (sup=0.14MPa)	
Repeatability	±0.3% F.S.	
Explosion Temp.	-40~85°C(T5) / -40~75°C(T6)	
Operating Temp.	-30~85°C (-22~185°F)	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Linearity	±0.5% F.S.	
Air Connection	(N)PT 1/4	
Conduit	PF 1/2 (G 1/2)	
Protection	IP66	
Required Operating Voltage	Min. 6.0 V (at 4 mA) Max. 7.2 V (at 20 mA)	
Material	Aluminum Diecasting	
Weight	3kg (6.61 lb)	



YT-940 IP Converter accurately provides equipments with relevant air pressure, according to input signal of 4~20mA being delivered from the controller.

- High accuracy and sensitivity
- Simple zero and span adjustment
- Feedback Signal (Option)
- Analog PID Control
- Tubeless connection of YT-200, Air Regulator
- Explosion Proof Type
- No effect from mounting orientation

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.

Manual drain



YT-200



YT-205



YT-220



YT-225

Auto drain



YT-200



YT-205



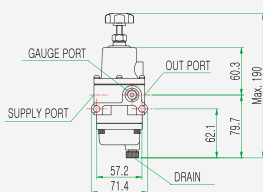
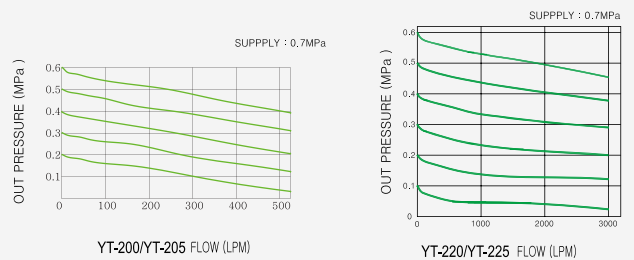
YT-220



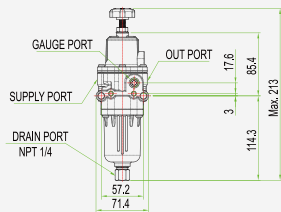
YT-225



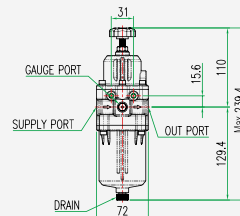
Item · Type	YT-200	YT-220	YT-205	YT-225
Max. Supply Pressure	1.7MPa (17bar)			
Max. Output Pressure	0.42MPa (A Type) , 0.84MPa (B Type)			
Air Connection	PT (NPT) 1/4	PT (NPT) 1/2	NPT 1/4	NPT 1/2
Gauge Connection	PT (NPT) 1/4	PT (NPT) 1/4	NPT 1/4	NPT 1/4
Ambient Temp.	-20~70°C (-4~158°F) (Standard type)			
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)



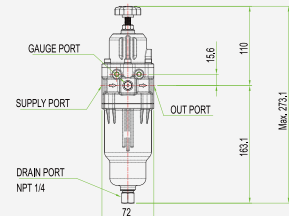
YT-200/YT-205(Manual drain)



YT-200/YT-205(Auto drain)



YT-220/YT-225(Manual drain)



YT-220/YT-225(Auto drain)

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

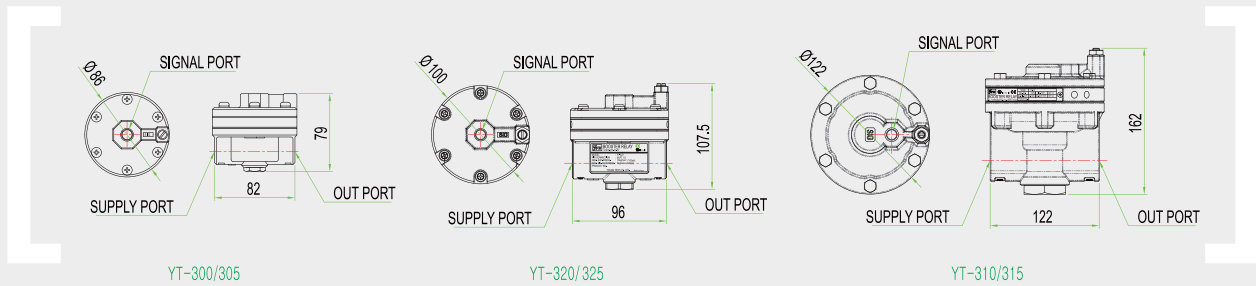
Product Number: YT-300 / YT-305 / YT-310 / YT-315 / YT-320/YT-325 □ □ (specify your requirement)

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.



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	1.32	2.08	5.24		
	output	1.19	2.72	4.91		
Supply/Output Connection	PT(NPT)1/4	NPT 1/2	NPT 3/4			
Signal Connection	PT (NPT) 1/4		NPT1/4			
Linearity	±1% F.S.					
Ambient Temp.	-20°C ~ 70°C (-4 ~ 158°F) (Standard type)					
Material	YT-300, YT-320, YT-310					
	Aluminum Diecasting					
Weight	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)



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 / YT-435

Product Number: YT-400 / YT-405 / YT-430 / YT-435 ■ ■ ■ (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-435	* YT-405, YT-430, YT-435 is available for NPT connection type ONLY.		



YT-400S



YT-400D



YT-430S



YT-430D



YT-405S



YT-405D



YT-435S

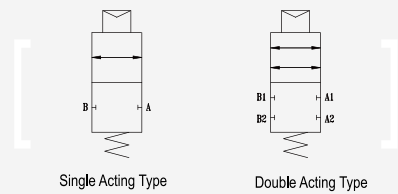


YT-435D



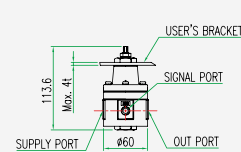
Item · Type	YT-400	YT-405	YT-430	YT-435
Signal Pressure	0.14~0.7MPa(1.4~7 bar)			
Max Supply Pressure	Max. 1MPa (10bar)			
Lock-Up Pressure	Max. 0.7MPa (7bar)			
Differential Pressure	Below 0.01MPa (0.1bar)			
Ambient Temp.	-20°C~70°C(-4~158°F) (Standard type)			
Flow Capacity (Cv)	0.9		1.8	
Air Connection	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	Stainless Steel 316
Weight	Single	0.45kg(1.0lb)	1.3kg(2.2lb)	1.3kg(2.2lb)
	Double	0.7kg(1.5lb)	1.5kg(3.3lb)	2.3kg(5.1lb)

Symbol

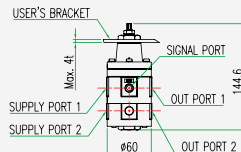


Single Acting Type

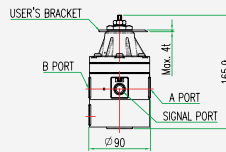
Double Acting Type



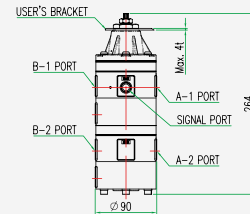
YT-400S, YT-405S(Single Acting)



YT-400D, YT-405D(Double Acting)



YT-430S, YT-435S (Single Acting)



YT-430D, YT-435D (Double Acting)

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 0.01MPa.

Snap Acting Relay YT-520 / YT-525 / YT-530 / YT-535

Product Number: YT-520 / YT-525 / YT-530 / YT-535 (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
YT-535			

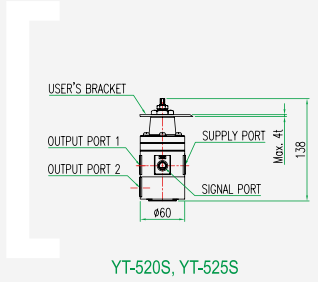
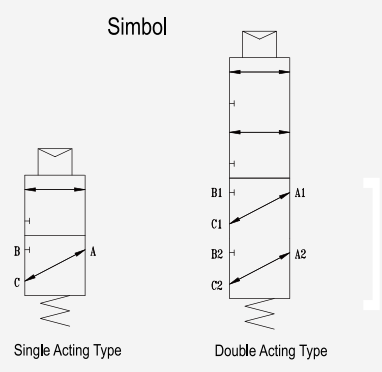


YT-520S YT-520D YT-530S YT-530D

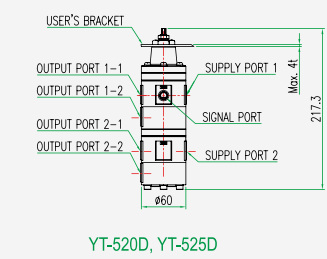


YT-525S YT-525D YT-535S YT-535D

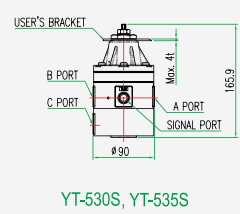
Item · Type	YT-520	YT-525	YT-530	YT-535
Signal	0.14~0.7MPa (1.4~7 bar)			
Max Supply Pressure	1MPa (10bar)			
Ambient Temp.	-20~70°C (-4~158°F) (Standard type)			
Signal Connection	NPT1/4			
In / Output Connection	NPT1/4		NPT 3/8	
Flow Capacity (Cv)	0.9		1.8	
Material	Aluminum Diecasting	Stainless Steel 316	Aluminum Diecasting	Stainless Steel 316
Weight	Single	0.73kg(1.8lb)	1.3kg(2.2lb)	3.3kg(7.3lb)
	Double	1.2kg(2.7lb)	3.1kg(6.3lb)	5.8kg(12.8lb)



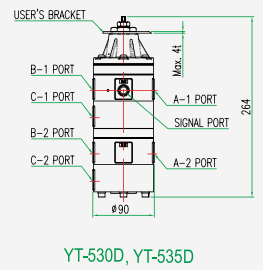
YT-520S, YT-525S



YT-520D, YT-525D



YT-530S, YT-535S



YT-530D, YT-535D

YT-520, YT-525, YT-530, YT-535 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
- Stem can be extended and connected
- Able to lock actuator in its position

Solenoid Valve YT-720

Product Number: YT-720 (specify your requirement)

Model	Valve Type	Connection Type	Power Source	Pressure
YT-720	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)



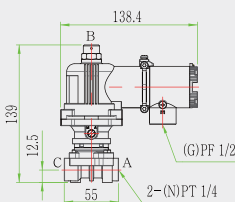
(Certification is in progress)

Item · Type	YT-720	
	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	
Rating Current	AC 220V	60mA (11w)
	AC 110V	130mA (12w)
	DC 24V	580mA (14w)
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 F	
Ambient Temp.	Standard	-20~70 °C (-4~158°F)
	Explosion	-20~50 °C (-4~122°F)
Weight	0.8kg (1.8lb)	1.2kg(2.6lb)

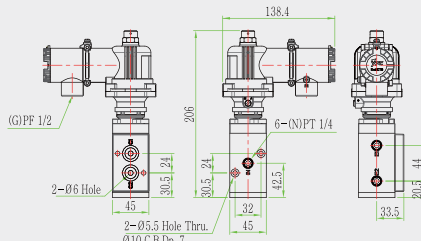


3 way

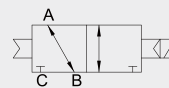
4 way



YT-720S(3WAY)

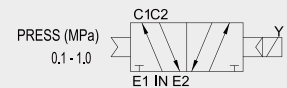


YT-720D(4WAY)



YT-720S(3WAY)

Symbol



YT-720D(4WAY)

Solenoid valve YT-720 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
- Coil assembly can be rotated

Position Transmitter SPTM-5V

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

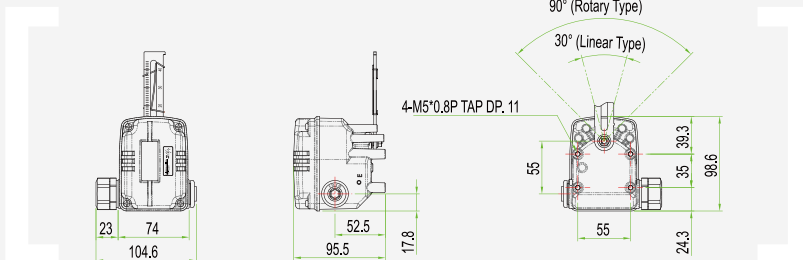
Model	Motion Type	Explosion Proof	Lever Type		Option
			Linear	Rotary	
SPTM-5V	L Linear	i Ex ia IIC T5	1 10~40mm	1 Standard	0 None
	R Rotary		2 20~70mm	2 NAMUR	1 With LCD
			3 50~100mm		
			4 100~150mm		



SPTM-5V



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)	
Ambient Temp.	Operating	-40~85°C(-40~185°F)
	Explosion	-40~60°C(-40~140°F)
	LCD Operating	-30°C ~ 85°C (-22~185° F)
Linearity	±1% F.S.	
Hysteresis	±0.2% F.S.	
Sensitivity	±0.2% F.S.	
Explosion Proof type	Ex ia IIC T5	
Enclosure	IP 67	
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 / 65V

Product Number: SPTM-6V / 65V ■ ■ ■ (specify your requirement)

Model	Motion Type	Explosion Proof	Lever Type	
			Linear	Rotary
SPTM-6V	L Linear	C Ex d IIC T6	1 10~40mm	1 Standard
SPTM-65V	R Rotary		2 20~70mm	2 NAMUR
			3 50~100mm	
			4 100~150mm	

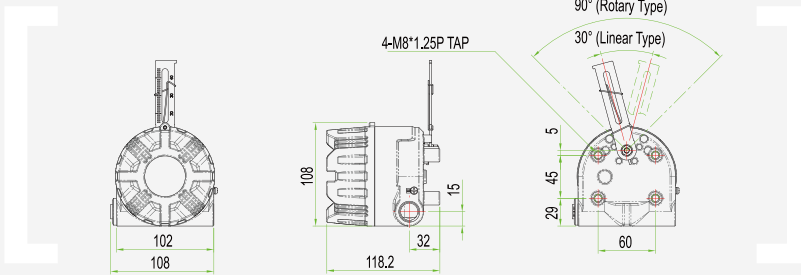


SPTM-6V



SPTM-65V

Item · Type		SPTM-6V	SPTM-65V
Connection Type		2 Wire	
Input Signal	Linear type	0~30°	
	Rotary type	0~90°	
Output Signal		4~20mA DC	
Load Resistance		Max. 940Ω @ 30V DC	
Supply Voltage		10~30V DC	
Noise Range		50mV p.p	
Conduit		PF 1/2 (G 1/2)	
Ambient Temp.	Operating	-40~85°C (-40~185°F)	
	Explosion	-40~60°C (-40~140°F)	
	LCD Operating	-30~85°C (-22~185°F)	
Linearity		± 1% F.S.	
Hysteresis		± 0.2% F.S.	
Sensitivity		± 0.2% F.S.	
Explosion Proof type		Ex d IIC T6	
Enclosure		IP67	
Material	Aluminum Diecasting	Stainless Steel 316	
Weight	1.3kg(2.9lb)	2.8kg(6.17)	



Flame type of Electronic Position Transmitter SPTM-6V / 65V 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

Limit Switch Box YT-850

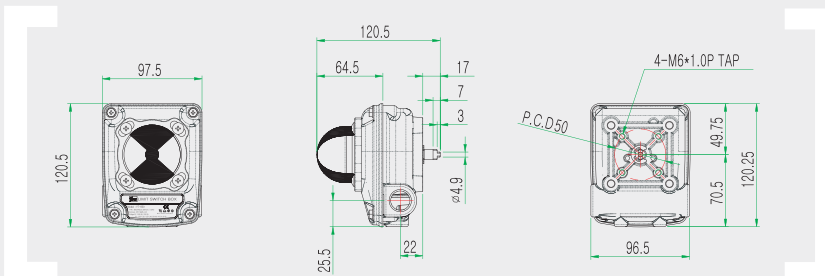
Product Number: YT-850 ■ ■ ■ ■ (specify your requirement)

Model	Switching Type	Connection Type	Bracket Type	Ambient Temp
YT-850	M Mechanical Type (2 x SPDT)	1 NPT1/2	0 NONE	1 -20°C ~ 80°C
		3 PF1/2	1 ST-1 (30*80,H20)	2 -20°C ~ 120°C
	P Proximity Type	4 M20	2 ST-2 (30*80,H30)	
			3 ST-3 (30*130,H30)	
			4 ST-4 (30*130,H50)	



YT-850

Item · Type	YT-850M		YT-850P	
Switch Type	Mechanical Switch(2xSPDT)		Inductive Proximity Sensor	
	SS5GL (Omron)	SS10GL (Omron)	PS17-5DNU (Autonics)	NJ2-V3-N (P&F)
Switch Rating	AC	250V 3A 125V 5A	250V 10.1A 125V 10.1A	-
	DC	250V 0.2A, 125V 0.4A, 30V 4A, 14V 5A, 8V 5A		12~24VDC 8VDC
Enclosure Protection	IP67			
Ambient Temp.	-20°C~80°C			
Conduit Entry	NPT1/2(PF1/2,M20)			
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	0 NONE	0 NONE
YT-875	P Proximity Type	2 PF3/4	1 ST-1 (30*80,H20)	1 +SPTM
	D Mechanical Type (2 x DPDT)	3 M20	2 ST-2 (30*80,H30)	
		4 NPT1/2	3 ST-3 (30*130,H30)	
			4 ST-4 (30*130,H50)	

*YT-875 NPT3/4 ONLY



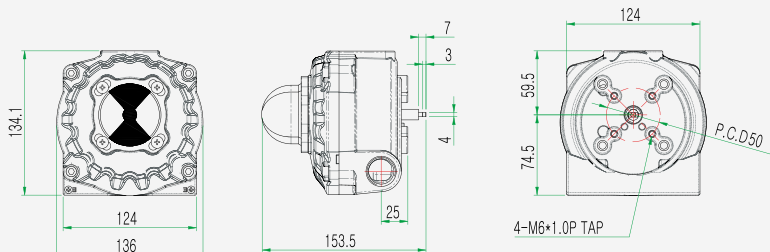
YT-870



YT-875

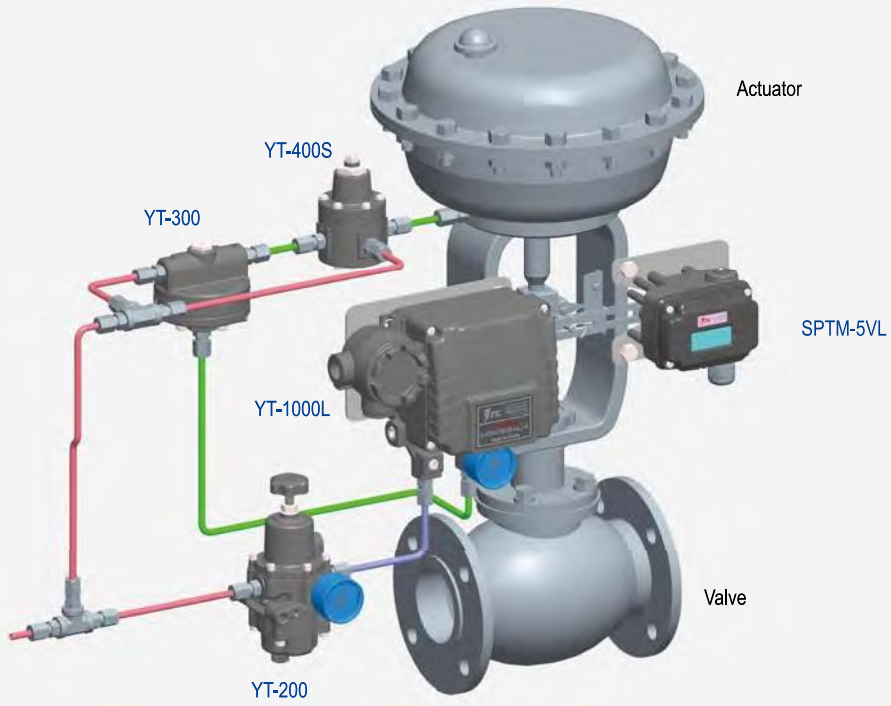
Item · Type		YT-870M YT-875M	YT-870P YT-875P	YT-870D YT-875D
Switch Type		Mechanical Type (2xSPDT)	Inductive Proximity Sensor	Mechanical Type (2xDPDT)
		SS5GL (Omron) SS10GL (Omron)	PS17-5DNU (Autonics) NJ2-V3-N (P&F)	DZ-10G-1B (Omron)
Switch Rating	AC	250V 3A 125V 3A	250V 10.1A 125V 10.1A	-
	DC	250V 0.2A, 125V 0.4A, 30V 4A, 14V 5A, 8V 5A	-	125 or 250VAC 10A 480VAC 2A
Enclosure Protection		IP67		
Explosion Proof		Ex d IIC T6		
Ambient Temp.		-20 °C~60 °C		
Conduit Entry		NPT3/4 (PF3/4, M20, NPT1/2)		
Terminal		8 Points		
Mounting 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)		

* For additional **SPTM specification** refer to p.27.

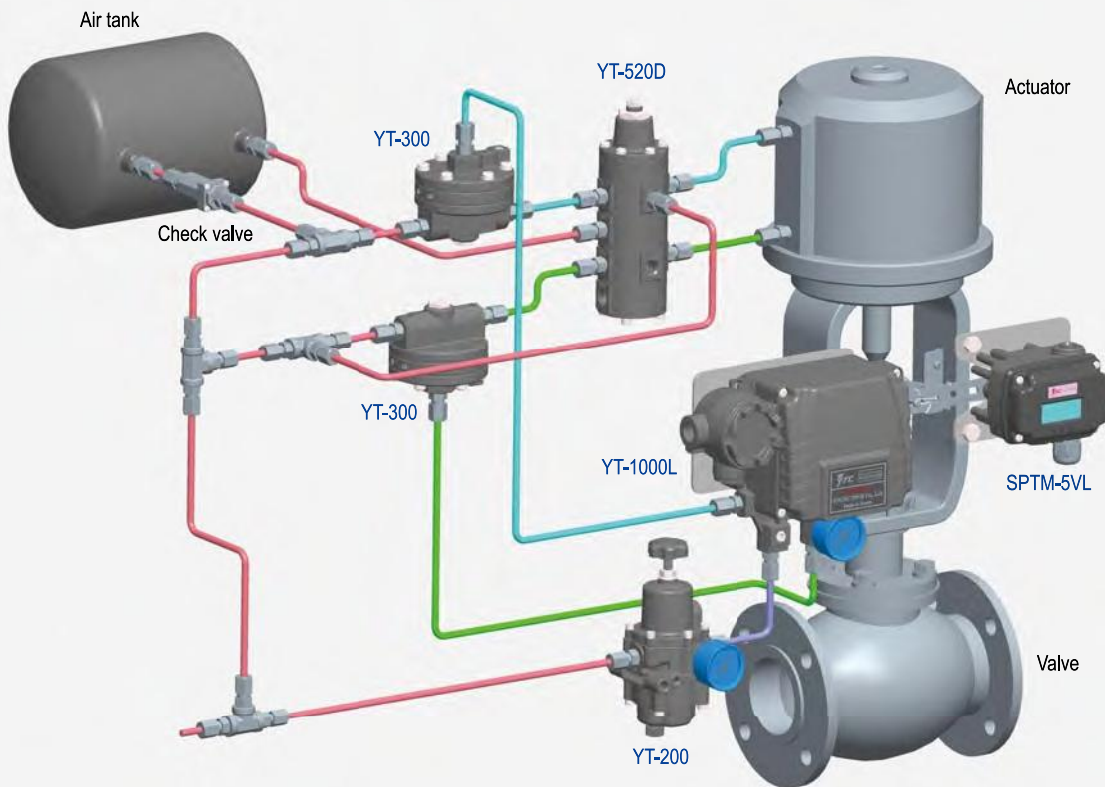


- Visual position indicator
- Easy adjustment of cam position
- 8 contacts of terminal ports.
- Dual 1/2" conduit entries.
- Compatibility with any rotary motion actuator <ISO5211>

Examples for installation (Linear Type)

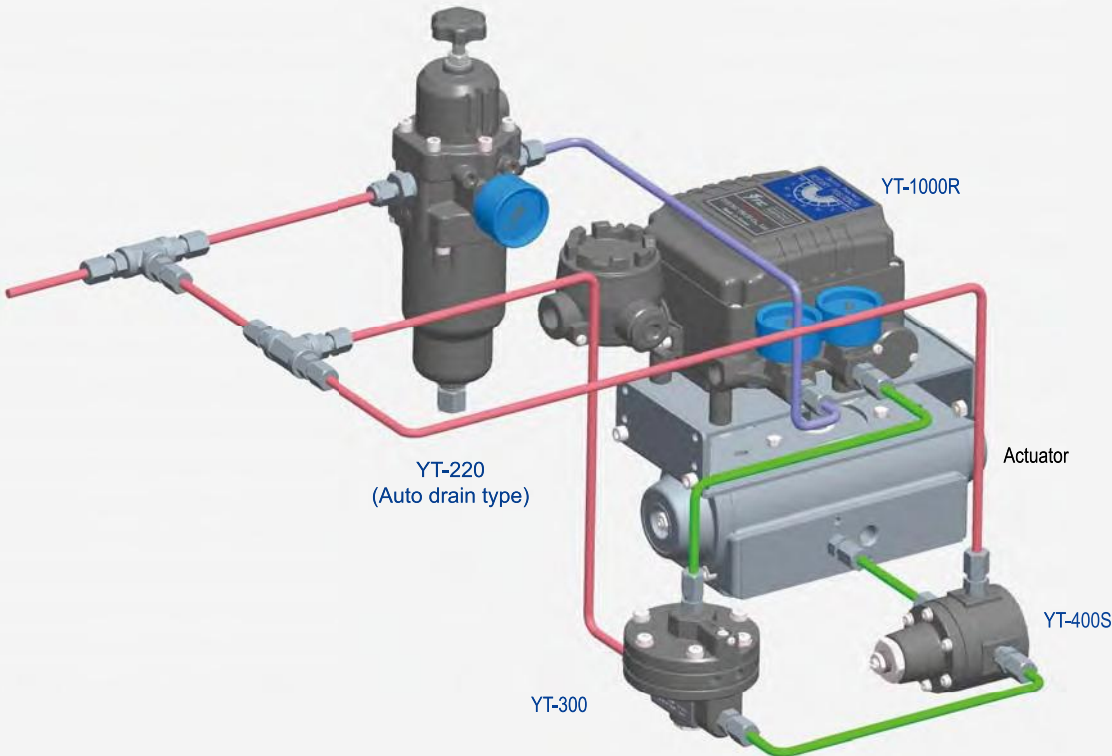


YT-1000L(Single type) Application Example

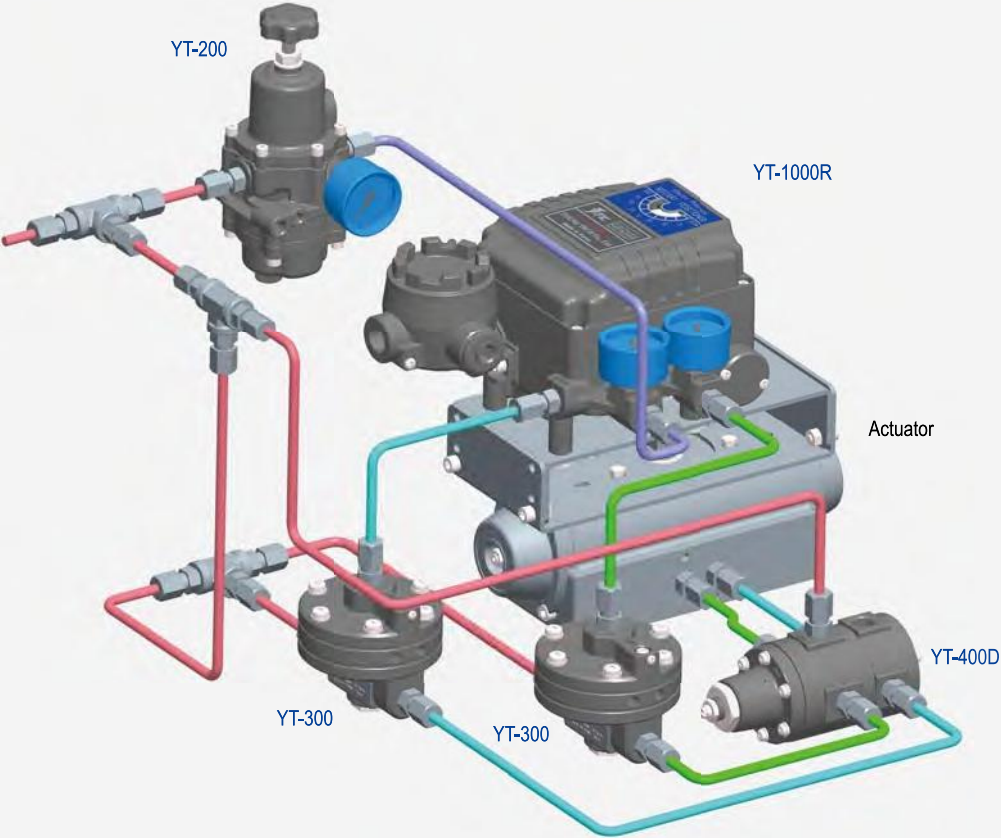


YT-1000L(Double type) Application Example

Examples for installation (Rotary Type)



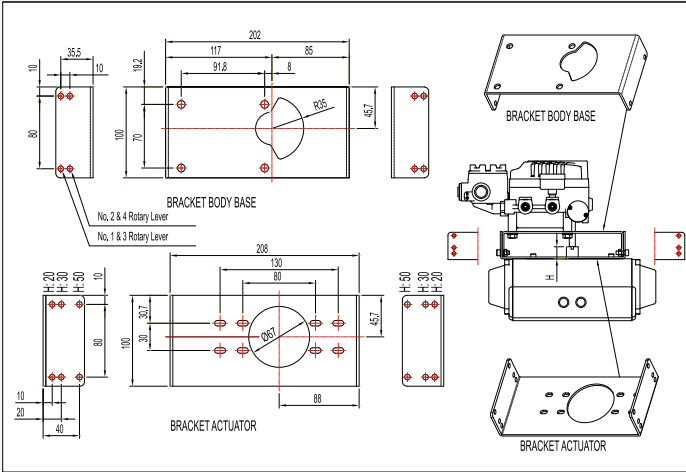
YT-1000R (Single type) Application Example



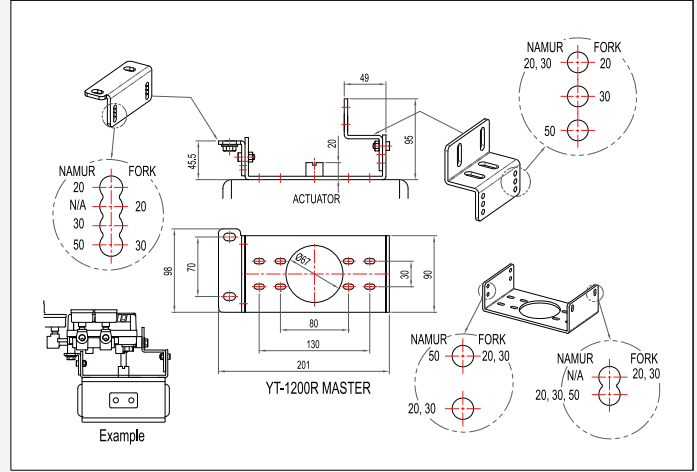
YT-1000R (Double type) Application Example

Bracket & Lever

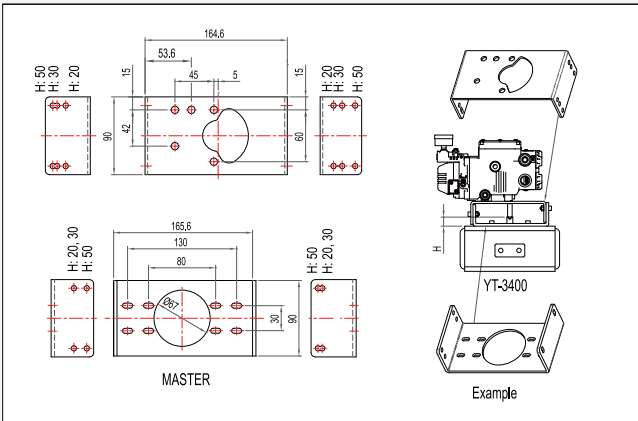
YT-1000R Bracket Series



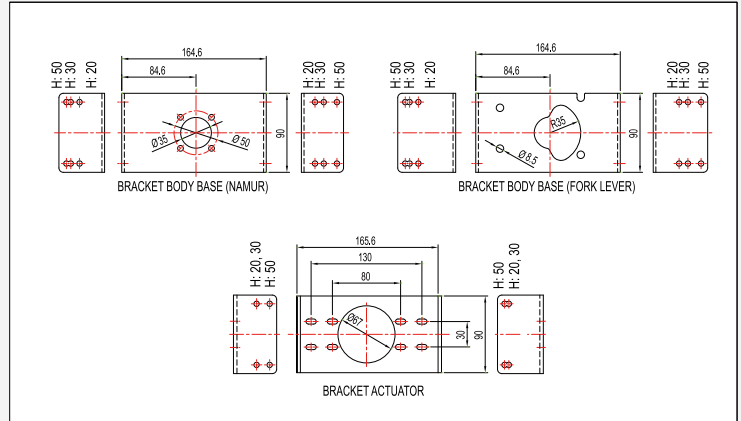
YT-1200R Bracket Series



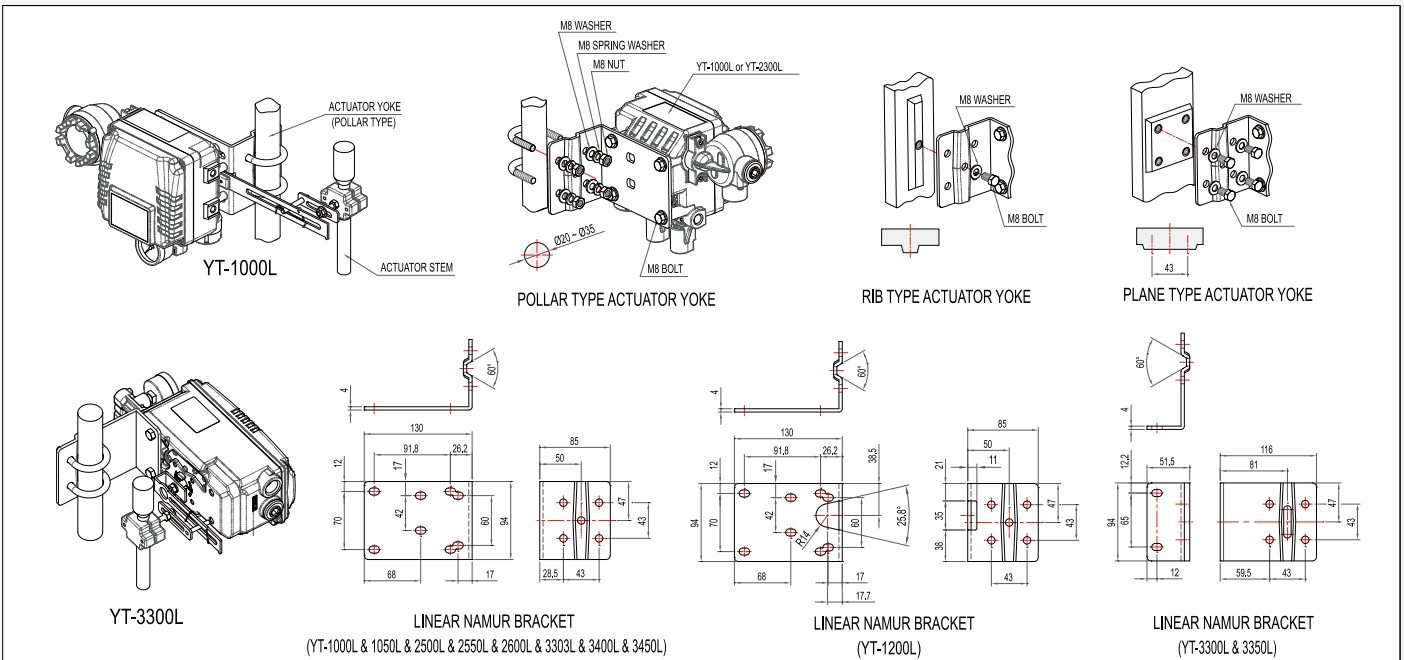
YT-2500R & 2550R & 2600R & 3303R & 3400R & 3450R Bracket Series



YT-3300R & 3350R Bracket Series

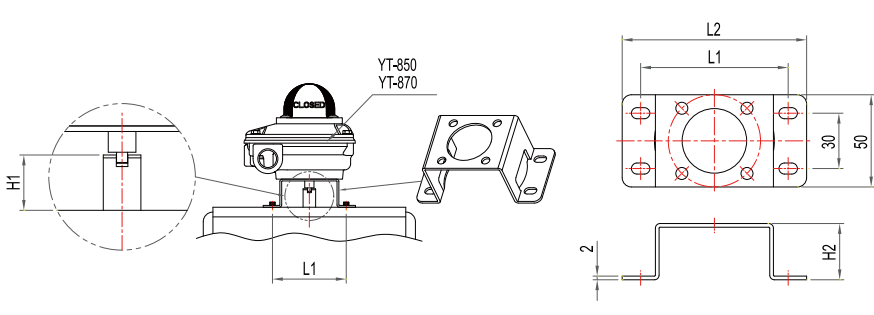


Linear Type Namur Bracket Series



Bracket & Lever

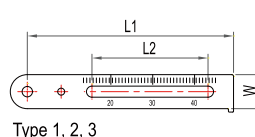
YT-850 & 870 & 875 Bracket Series



Bracket Type	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		

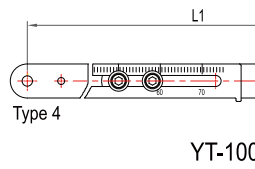
UNIT: mm

Lever Series



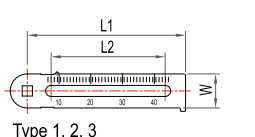
Lever Type	Stroke	L1	L2	W
1	10-40	121.2	68.2	20
2	30-70	195	120	
3	60-100	277	122	
4	100-150	400	122	

UNIT: mm



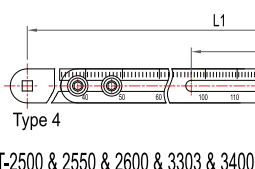
Type 4

YT-1000 & 1200 Linear Type



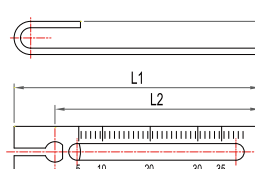
Lever Type	Stroke	L1	L2	W
1	10-40	93	67	20
2	20-70	153.5	106.5	
3	50-100	214	117	
4	100-150	307.3	117	

UNIT: mm



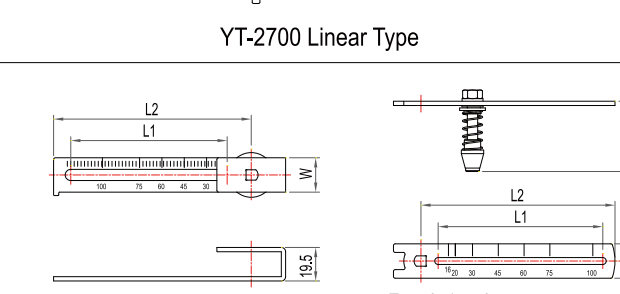
Type 4

YT-2500 & 2550 & 2600 & 3303 & 3400 & 3450 & SPTM-5V & SPTM-6V & SPTM-65V Linear Type



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

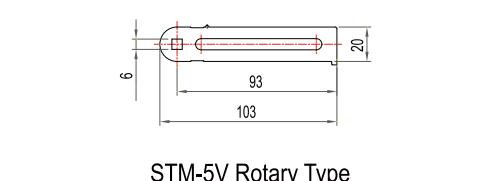
UNIT: mm



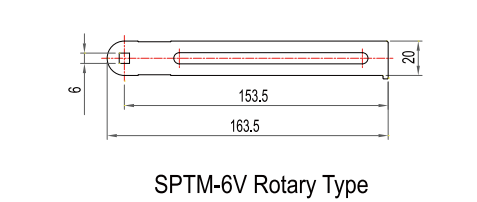
Type 0, 1, 2

Type 3, 4, 5, 6

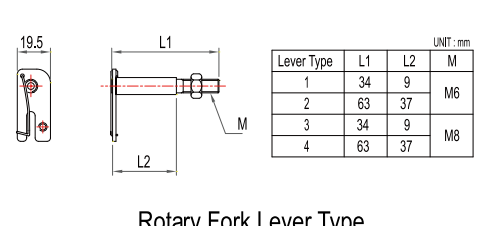
YT-3300 & YT-3350 Linear Type



STM-5V Rotary Type



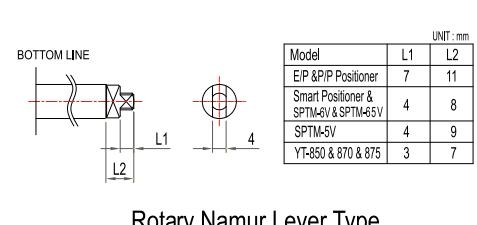
SPTM-6V Rotary Type



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

UNIT: mm

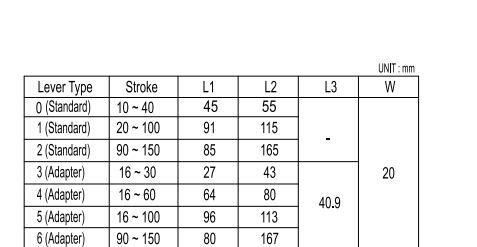
Rotary Fork Lever Type



Model	L1	L2
E/P & P/IP Positioner	7	11
Smart Positioner & SPTM-6V & SPTM-65V	4	8
SPTM-5V	4	9
YT-850 & 870 & 875	3	7

UNIT: mm

Rotary Namur Lever Type



Lever Type	Stroke	L1	L2	L3	W
0 (Standard)	10 ~ 40	45	55	40.9	20
1 (Standard)	20 ~ 100	91	115		
2 (Standard)	90 ~ 150	85	165		
3 (Adapter)	16 ~ 30	27	43		
4 (Adapter)	16 ~ 60	64	80		
5 (Adapter)	16 ~ 100	96	113		
6 (Adapter)	90 ~ 150	80	167		

UNIT: mm

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