

Smart Positioner YT-2500 / YT2550

| Model | Motion Type | Acting Type | Explosion Protection | Lever Type | | Conduit - Air Connection *1 | Communication | Option | Fail Option |
|---------|-----------------|-----------------|----------------------------------|--------------------|-----------------|-----------------------------|-----------------|--|----------------------|
| | | | | Linear | Rotary | | | | |
| YT-2500 | L Linear | S Single | N Non-Explosion | 1 10~40mm | 1 M6×34L | G1/2 - PT1/4 | 0 NONE | 0 NONE | F Fail Freeze |
| YT-2550 | R Rotary | D Double | I ATEX, IECEx, NEPSI, KCs | 2 20~70mm | 2 M6×63L | G1/2 - NPT1/4 | 2 + HART | 1 + PTM 2 + L/S(Mechanical Type) 3 + L/S(Proximity Type) 4 + PTM+L/S(Mechanical Type) 5 + PTM+L/S(Proximity Type) | S Fail Safe |
| | | | | 3 50~100mm | 3 M8×34L | G1/2 - G1/4 | | | |
| | | | | 4 100~150mm | 4 M8×63L | M20 - NPT1/4 *2 | | | |
| | | | | 5 NAMUR | 5 NAMUR | NPT1/2 - NPT1/4 | | | |

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

*2 M20 adapter is attached to conduit entry



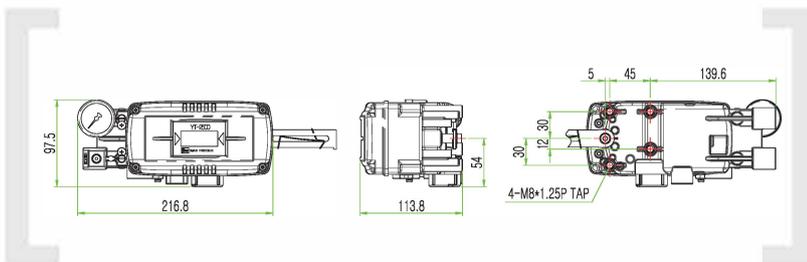
YT-2500



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 |
| Operating 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 (16Point) | |
| Material | Aluminum Diecasting | Stainless steel 316 |
| Ingress Protection | IP66 | |
| Explosion Protection Type | ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex iaD IIC T85°C/T100°C IP6X NEPSI Ex ia IIC T5/T6 KCs ia IIC T5/T6, EX iaD IIC T100°C/T85°C | |
| Communication(Optional) | HART(ver.5) | |
| L/S | Mechanical Type(Omron) | AC 125V, 3A DC 30V, 2A |
| Rating | 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
- Auto calibration
- LCD display
- Near zero air consumption level
- PD control
- Feedback signal
- HART communication
- 4 buttons for local control
- Limit switch