

Smart Positioner YT-3301

| Model | Motion Type | Acting Type | Explosion Proof | Lever Type | | Conduit - Air Connection | Communication | Option | Operating 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 | 0 NONE | S -30°C~ 85°C | 1 5m |
| | R Rotary | D Double | I ATEX, I ECEX, NEPSI, KC | 2 20~70mm | 6 M10 | 2 G1/2 - NPT1/4 | 2 + HART | 1 + PTM | L -40°C~ 85°C | 2 10m |
| | | | A CSA, FM | 3 50~100mm | | 3 G1/2 - G1/4 | | | | 3 15m |
| | | | | 4 100~150mm | | 4 M20 - NPT1/4 *1 | | | | 4 20m |
| | | | | | | 5 NPT1/2 - NPT1/4 | | | | |

*1 M20 is adapter type



YT-3301R Sensor

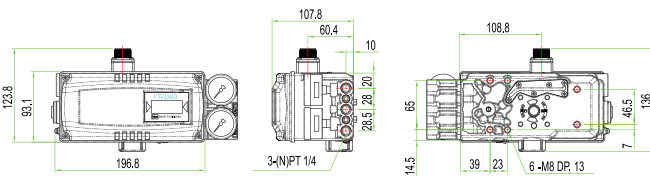


YT-3301L Sensor

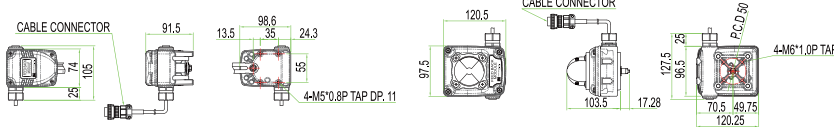
YT-3301 Body



| 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.500Ω @ 20mA DC | |
| Air Connection | PT(NPT,G)1/4 | |
| Gauge Connection | PT(NPT)1/8 | |
| Conduit | G(PF,NPT)1/2, M20 | |
| Operating 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 | |
| Ingress Protection | IP66 | |
| Explosion Proof Type | ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex iaD IIIC T100°C/T85°C Db IP66 | |
| | NEPSI Ex ia IIC T5/T6 | |
| | KC Ex ia IIC T5/T6, EX iaD IIIC T100°C/T85°C | |
| | CSA Ex tb IIIC T100°C/T85°C Db(In progress) | |
| | FM Class I, Division 1&2 Groups ABCD T5/T6 Class II, III, Division 1&2 Groups EFG T100°C/85°C Class I, Zone 0, AEx ia IIC T5/T6, Type 4X(FM), IP66 | |
| 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 calibration
- LCD display
- Auto/Manual switch
- PID control
- Feedback signal
- HART communication
- 4 buttons for local control