



YT-3350

YT-3350 Smart Valve Positioner accurately controls valve stroke, according to input signal of 4~20mA being delivered from controller.

Description

YT-3350 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 switch

Specification

| 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 |
| Operating Temp | Standard Type. | -30°C ~ 85°C (-22~185° F) | |
| | Low Temp. Type. | -40°C ~ 85°C (-40~185° F) | |
| LCD Operating Temp. | | -30°C ~ 85°C (-22~185° F) | |
| Ambient Temp. of Explosion Proof | | -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 | | 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 |
| Ingress Protection | | IP66 | |
| Explosion Protection Type | | ATEX, IECEx Ex ia IIC T5/T6 Gb, EX iaD IIIC T100°C/T85°C Db IP66 NEPSI Ex ia IIC T5/ T6 KCs Ex ia IIC T5/T6, EX iaD IIIC T100°C/T85°C CSA Pending FM Class I, Div 1, Groups ABCD Class I, Zone 0 AEx ia IIC Class II/III, Div 1, Groups EFG Class I, II, III, Div 2, Groups ABCDEFG NEMA Type 4 IP66 AMBIENT TEMP: -40°C ~ 60°C (T5) / -40°C ~ 40°C (T6) | |
| Communication(Optional) | | HART(ver.7) | |
| L/S | Mechanical Type(Omron) | AC 125V, 3A | DC 30V, 2A |
| Rating | Proximity Type(P&F) | DC 8.2V 8.2mA | |
| Weight | | 2kg (4.4lb) | 5.1kg(11.2lb) |

| Model | Motion Type | Acting Type | Explosion Protection | Lever Type | | Conduit - Air Connection *2 | Communication | Option | Operating Temp |
|---------|-------------|-------------|--|------------|----------|-----------------------------|---------------|---|----------------|
| | | | | Linear *1 | 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 ATEX, IECEx, NEPSI, KCs A CSA, FM | 1 20~100mm | 2 M6×63L | 2 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) | L -40°C~ 85°C |
| | | | | 2 90~150mm | 3 M8×34L | 3 G1/2 - G1/4 | | | |
| | | | | 3 16~30mm | 4 M8×63L | 4 M20 - NPT1/4 *3 | | | |
| | | | | 4 16~60mm | 5 NAMUR | 5 NPT1/2 - NPT1/4 | | | |
| | | | | 5 16~100mm | | | | | |
| | | | | 6 90~150mm | | | | | |

*1 Lever 3~6 is adapter lever type.

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

*3 M20 adapter is attached to conduit entry

Sản phẩm khác



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[YT-3303](#)

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