

# 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 | <span style="border: 1px solid black; padding: 2px;">S</span> Single | <span style="border: 1px solid black; padding: 2px;">m</span> ExdmIIBT5      | <span style="border: 1px solid black; padding: 2px;">1</span> 10 ~ 40mm   | <span style="border: 1px solid black; padding: 2px;">1</span> $\phi$ 1 | <span style="border: 1px solid black; padding: 2px;">1</span> PT  | <span style="border: 1px solid black; padding: 2px;">S</span> -20°C ~ 60°C  | <span style="border: 1px solid black; padding: 2px;">0</span> NONE                |
|          | <span style="border: 1px solid black; padding: 2px;">D</span> Double | <span style="border: 1px solid black; padding: 2px;">f</span> ExdmIIBT5 (FM) | <span style="border: 1px solid black; padding: 2px;">2</span> 30 ~ 70mm   | <span style="border: 1px solid black; padding: 2px;">2</span> $\phi$ 2 | <span style="border: 1px solid black; padding: 2px;">2</span> NPT | <span style="border: 1px solid black; padding: 2px;">H</span> -20°C ~ 120°C | <span style="border: 1px solid black; padding: 2px;">1</span> + PTM (Analog type) |
|          |  | <span style="border: 1px solid black; padding: 2px;">C</span> ExdmIIC T5     | <span style="border: 1px solid black; padding: 2px;">3</span> 60 ~ 100mm  | <span style="border: 1px solid black; padding: 2px;">3</span> None     |   | <span style="border: 1px solid black; padding: 2px;">L</span> -40°C ~ 70°C  | <span style="border: 1px solid black; padding: 2px;">2</span> + SPTM (Smart type) |
|          |  | <span style="border: 1px solid black; padding: 2px;">i</span> ExialIBT6      | <span style="border: 1px solid black; padding: 2px;">4</span> 100 ~ 150mm |  |   |   |   |
|          |  | <span style="border: 1px solid black; padding: 2px;">n</span> Non-Explosion  |   |  |   |   |   |
|          |  |  |   |  |   |   |   |



YT-1000L

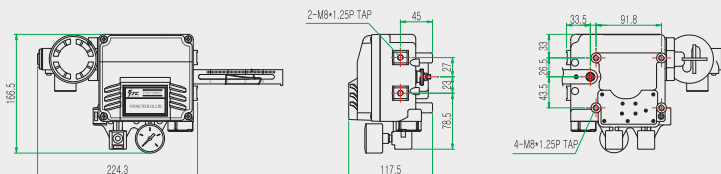


YT-1000L+PTM(int.)



| Item · Type      | Single  | Double               |
|------------------|---|----------------------|
| Input Signal     | 4-20mA DC                                     |                      |
| Impedance        | 250 ± 15 Ω                                    |                      |
| Supply Pressure  | 1.4 ~ 7kgf/cm <sup>2</sup> (20 ~ 100 psi)     |                      |
| 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 dm IIB T5<br>Ex dm IIC T5<br>Ex ia IIB T6  |                      |
| 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  | 3LPM<br>(Sup=1.4kgf/cm <sup>2</sup> , 20psi)  |                      |
| Flow Capacity    | 80LPM<br>(Sup=1.4kgf/cm <sup>2</sup> , 20psi) |                      |
| Material         | Aluminum Diecasting                           |                      |
| Weight           | 2.7kg (6.1 lb)                                |                      |

\* For additional **PTM specification** refer to p.23.



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)