

# Electro-Pneumatic Positioner YT-1000L

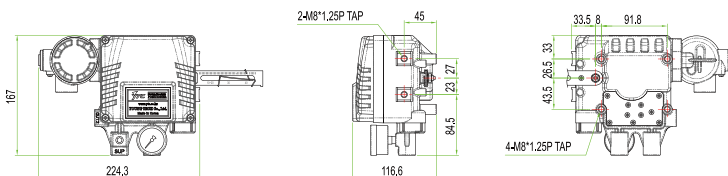
Product Number: YT-1000L ■ ■ ■ ■ ■ ■ (specify your requirement)

| Model    | Acting Type     | Explosion Proof                   | Lever Type           | Orifice Type      | Connection Type | Ambient Temp*          | Option *                             |
|----------|-----------------|-----------------------------------|----------------------|-------------------|-----------------|------------------------|--------------------------------------|
| YT-1000L | <b>S</b> Single | <b>m</b> Ex dmb IIB T5 (KTL)      | <b>1</b> 10 ~ 40mm   | <b>1</b> $\phi$ 1 | <b>1</b> PT     | <b>S</b> -20°C ~ 60°C  | <b>0</b> NONE                        |
|          | <b>D</b> Double | <b>C</b> Ex dmb IIC T5 (KTL)      | <b>2</b> 30 ~ 70mm   | <b>2</b> $\phi$ 2 | <b>2</b> NPT    | <b>H</b> -20°C ~ 120°C | <b>2</b> + SPTM (Smart type)         |
|          |                 | <b>i</b> Ex ia IIB T6 (KTL)       | <b>3</b> 60 ~ 100mm  | <b>3</b> None     |                 | <b>L</b> -40°C ~ 70°C  | <b>3</b> + SPTM with LCD(Smart type) |
|          |                 | <b>n</b> Non-Explosion            | <b>4</b> 100 ~ 150mm |                   |                 |                        |                                      |
|          |                 | <b>f</b> Ex dm IIB T5 (FM)        |                      |                   |                 |                        |                                      |
|          |                 | <b>P</b> Ex ia IIC T6 (NEPSI)     |                      |                   |                 |                        |                                      |
|          |                 | <b>H</b> Ex dmb IIC T5/T6 (NEPSI) |                      |                   |                 |                        |                                      |

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



| Item · Type      | Single   | Double               |
|------------------|--|----------------------|
| Input Signal     | 4-20mA DC  |                      |
| Impedance        | 250 ± 15 $\Omega$  |                      |
| 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  |                      |
| Conduit          | PF 1/2 (G 1/2)   |                      |
| Explosion Proof  | Ex dmb IIB T5 (KTL)<br>Ex dmb IIC T5 (KTL)<br>Ex ia IIB T6 (KTL)<br>Ex ia IIC T6 (NEPSI)<br>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)   |                      |



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)