



# E/P Positioner XE100



## Features

- Compatible Mounting for E/P and P/P
- Simplified Zero / Span Adjusting
- Linear / Rotary Selectable
- 3 Types of Pilot Relay (Standard / Stable / Quick Speed)
- Innovative Design for Various Mounting
- 4 Characteristics Selectable with 4-sided Cam



## Specifications

Items	Single acting	Double acting
Input Signal / Input Resistance	Standard (1/2 Split range available)	
Supply Air Pressure	0.14~0.70MPa	
Stroke / Angle	Linear: 10~100 mm Rotary: Lever Angle 60~90 deg.	
Air Connection	Standard: Rc 1/4 (Rc 1/8 for Gauges) Option: 1/4 NPT (1/8 NPT for Gauges)	
Electric Connection	Standard: G 1/2 Option: 1/2 NPT	
Cable Entry Conduit	Conduit method or Pressure-tight packing method	
*1 Pressure Gauge (Output Pressure)	Standard: 0.2 MPa / 0.4 MPa / 1.0 MPa Option: kPa, psi, bar	
Enclosure Protection	IP65 (IEC 529-1989)	
*2 Housing Construction	Standard: Non-Explosion Proof Flameproof: Exd IIB T6 Flapeproof H2 : Exd IIB+H2 T6	
Cam	Standard: Linear Characteristics Option: Eq % (S3 model) / Reverse Eq % / Sq-Law	
*3 Ambient Temperature	Standard: -20~83°C Low Temp.: -50~60°C High Temp.: 0~100°C Ex d IIB T6: -20~60°C Ex d IIB+H2 T6: -20~60°C	
Mass	Approx. 2.2~2.6 kg	Approx. 2.3~2.7 kg
Housing Material	Body: Aluminium Die-casting Cover: Standard: PBT resin with Glass Fiber Option: Aluminium Die-casting	

\*1 kPa, psi and bar units shall be investigated. psi is only for foreign market due to Non-SI unit.

\*2 Certifications list are on page 23 \*3 Low temp. nor High temp. options are not available on explosion proof models.

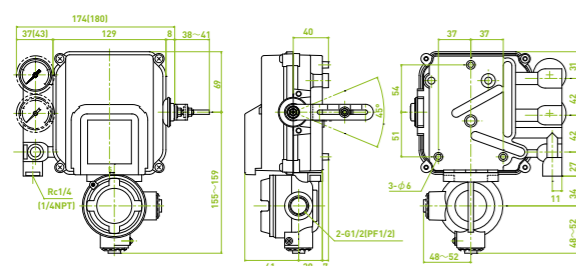
\* Supply air should be dry (dew point under than -30°C) and clean.

\* Air filter (smaller than 5µm) shall be placed just preceding of supply port.

## Dimensions

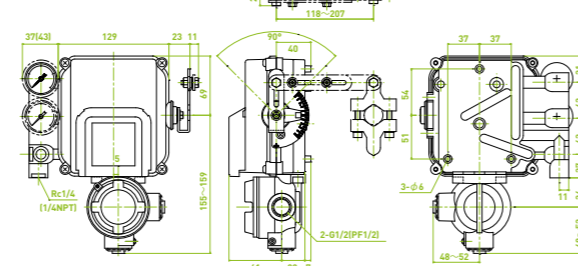
### Linear / Side-lever construction

XE1●●-SS1



### Rotary / Linkage construction

XE1●●-SS3



\* No levers included

## Notation Table

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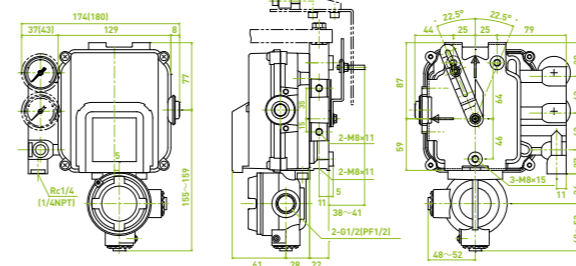
Items	Specification	Notation
1 Series	XE1: E/P Positioner	XE1
2 Housing Construction*	Standard: Non-explosion proof	0
	Flameproof: Exd IIB T6	5
	Flapeproof H2: Exd IIB+H2 T6	6
3 Air connection & Action	Single Rc 1/4	1
	Double Rc 1/4	2
	Single 1/4 NPT	3
	Double 1/4 NPT	4
4 Ambient Temperature	Standard: Non-explosion proof: -20~83°C Explosion proof: -20~60°C	S
	Low temp.: -50~60°C High temp.: 0~100°C	L H
5/9 Mounting / Cam	Linear / Side-lever Construction: 4 phases cam: Linear & Eq%	S1/C1a
	Rotary / Linkage Construction: 2 phases cam: Linear	S3/C3L
	Rotary / Linkage Construction: 2 phases cam: Eq%	S3/C3E
	Rotary / Linkage Construction: 2 phases cam: Square-law	S3/C3B
	Rotary / Linkage Construction: 2 phases cam: reverse Eq%	S3/C3P
	Linear / Back-lever Construction: 4 phases cam: Linear	B4/C4La
	Rotary / Back-lever Construction: 2 phases cam: Linear	B7/C7L
6 Pressure Gauges	0.2MPa, 0.4MPa, 1.0MPa	M2, M4, M0
	200kPa, 400kPa, 1000kPa	K2, K4, K0
	30psi, 60psi, 150psi	P2, P4, P0 *1
	2 bar, 4bar, 10bar	B2, B4, B0
7 Pilot relay / Orifice diameter	Standard with mesh protector	F1~F6
	Standard with cleaning pin	Q1~Q6
	Stable with mesh protector	G1~G6
	Stable with cleaning pin	J1~J6
	Quick speed with mesh protector	R1
	Quick speed with cleaning pin	T1
	* Numbers represents orifice diameter 1=φ5.0 2=φ2.0 4=φ1.0 5=φ0.7 6=φ0.45	
8 Input signal	4~20mA	M1
	4~12mA	M2
	12~20mA	M3

\* Certifications are listed on page 23

\*1 No domestic sales in Japan due to Non-SI unit.

### Linear / Side-lever construction

XE1●●-SB4



\* No levers included

### Rotary / Linkage construction

XE1●●-SB7

