

Fluid Sensors

PA Smart Pressure Sensors



- Programmable smart pressure sensor, user can set the pressure range and switch point via buttons easily
- Offering 4 units of pressure, Bar, Kg/cm², Mpa, and Psi, to be converted
- Power protection: overload, short-circuit, reverse polarity
- Delivers high accuracy, high stability and anticorrosive
- Protection: IP68



Accessories:

| Type | Connector Order No. | | | | | | Drawing No. |
|-------|---------------------|---------------------------------------|---------------------------------------|----------------------|---|-----------------|-------------|
| I | C | 02 | I | 5 | C | 12 | I:E1138 |
| | C: Cable | Length 02: 2M 05: 5M 10: 10M | Connector I: Straight L: Angled | Pole 4: 4 5: 5 | Material R: PUR C: PVC S: PVC Shielded Wire | Size 12: M12 | L:E1139 |
| L | | | | | | | |

| Order No. | US0004 | US0005 | US0006 |
|-------------|---------------|---------------|------------------|
| Type | | | |
| | G1/4" – G1/2" | G1/4" – G1/4" | G1/4" – M20x 1.5 |
| Drawing No. | E3U04 | E3U05 | E3U06 |

Order NO.

| Order NO. | Thread (Internal) | Sensible Range (bar) | Supply Voltage (V) | Output 1 | Output 2 | Electric design | Drawing No. |
|-----------|-------------------|----------------------|--------------------|----------------------|----------------------|-----------------|-------------|
| PA1140 | G¼"I | -1...1 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1141 | G¼"I | 2 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1142 | G¼"I | 5 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1143 | G¼"I | 10 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1144 | G¼"I | 20 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1145 | G¼"I | 50 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1146 | G¼"I | 100 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1147 | G¼"I | 200 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1148 | G¼"I | 250 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1149 | G¼"I | 400 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1150 | G¼"I | 600 | 18~36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P01 |
| PA1160 | G¼"I | -1...1 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1161 | G¼"I | 2 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1162 | G¼"I | 5 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1163 | G¼"I | 10 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1164 | G¼"I | 20 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1165 | G¼"I | 50 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1166 | G¼"I | 100 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1167 | G¼"I | 200 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1168 | G¼"I | 250 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1169 | G¼"I | 400 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |
| PA1170 | G¼"I | 600 | 18~36 DC | PNP NO/NC, NPN NO/NC | PNP NO/NC, NPN NO/NC | 4 | E3P01 |

Technical parameters:

Probe material: Stainless steel 316L
 Accuracy[%]: ≤ ±0.5
 Current load [mA]: 300
 Voltage drop [V]: < 2
 Analogue output response time [ms] : < 3
 Power-on delay time [s]: 0.3
 Medium temperature [°C]: -25...80
 Pressure element: High-precision ceramic diaphragm

ООО "РусАвтоматизация"

454010 г. Челябинск, ул. Гагарина 5, оф. 507
 тел. 8-800-775-09-57 (звонок бесплатный), +7(351)799-54-26, тел./факс +7(351)211-64-57
info@rusautomation.ru; rusautomation.ru; www.rusautomation.ru





- This electronic pressure sensors meet the standard of sanitary design
- Embedded high-precision ceramic diaphragm
- Elegant design, smooth surface, anti-acid, anti-alkali and anti-corrosion
- Users can set pressure range and switch point via buttons easily
- All stainless steel structure and the rating is up to IP69K



Order NO.

| Order NO. | Thread (External) | Sensible Range (bar) | Supply Voltage (V) | Output 1 | Output 2 | Electric design | Drawing No. |
|-----------|-------------------|----------------------|--------------------|----------------------|---------------|-----------------|-------------|
| PA3201 | G¾"A | -1...2 | 18-36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P02 |
| PA3202 | G¾"A | -1...5 | 18-36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P02 |
| PA3203 | G¾"A | -1...10 | 18-36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P02 |
| PA3204 | G¾"A | -1...20 | 18-36 DC | PNP NO/NC, NPN NO/NC | 0~10V, 4~20mA | 4 | E3P02 |

Accessories:

| Type | Connector Order No. | | | | | | Drawing No. |
|---|---------------------|---------------------------------------|---------------------------------------|----------------------|---|-----------------|-------------|
|  | C | 02 | I | 5 | C | 12 | I:E3U11 |
|  | C: Cable | Length 02: 2M 05: 5M 10: 10M | Connector I: Straight L: Angled | Pole 4: 4 5: 5 | Material R: PUR C: PVC S: PVC Shielded Wire | Size 12: M12 | L:E3U12 |

| Order No. | US0061 | US0062 |
|-------------|---|--|
| Type |  Hygienic welding adapter |  Hygienic Tri Clamp adapter |
| Drawing No. | E3U15 | E3U16 |

Technical parameters:

Probe material: Stainless steel 316L
 Accuracy[%]: ≤ ±0.5
 Max current load[mA]:300
 Voltage drop [V]: < 2
 Analogue output response time [ms] : < 3
 Power-on delay time [s]:0.3
 Medium temperature [°C]: -25...125(145 max/1h)
 Pressure element: ceramic diaphragm