

Linking your system



Features

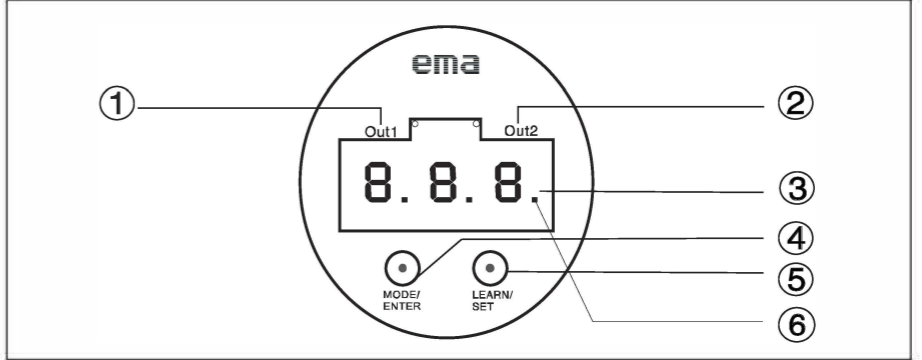
Pressure sensors are applied to a variety of fields in industrial automation such as water conservancy, hydroelectric industry, intelligent architecture, automation control, aviation, military industry, petrochemical industry, electric power, shipping, machinery tools, and more.

Applications



- Measure and control the pressure of gas and of liquid in the pipeline transportation systems.
- Monitor the pressure values of the oil of cutting machines.
- Monitor the pressure in the oiling cylinders, oil circuits, and oil pipes in order to secure the oil circuits and reach specify pressure
- Detect pressure of oil in pipes in wind power equipments
- Detect pressure of enzymes or other chemicals in containers.
- Monitor pressure of liquids in the containers, and warn while the pressure detected is over that set by users.
- Detect pressure in liquid waste processing systems.
- Measure and control the pressure of gas and of liquids.
- Detect pressure of materials in extracting systems controled by motors.

Controls and visual indication



| | | |
|---|--------------------|-----------------------------------------------------------------------|
| ① | Out1 | Out1 output connected, LED light on |
| ② | Out2 | Out2 output connected, LED light on |
| ③ | 7-segment LED | Displays system pressure, parameters and setting value |
| ④ | MODE/ENTER | Selection of parameter and acknowledgement of parameter value |
| ⑤ | LEARN/SET | Setting of learn mode and parameter value |
| ⑥ | Millesimal display | The value displayed should be multiplied by 10 when this dot flashes. |

Pressure sensors



When the pressure acts on the interface of the ceramic-diaphragm, the diaphragm is deformed slightly. It is furthermore connected to a Wheatstone bridge through a thick film resistor in the back of the diaphragm. Due to the Piezo resistive Effect from voltage dependant resistors, the electric bridge will produce a high-linear voltage signal with a direct ratio to pressure. Then it is converted to a standard voltage signal which is then transmitted to the system. The 3-digit-segment display shows the value of pressure and then the value will be compared to setting points by the user. Finally, this value is converted to signals for switching output(NPN,PNP) or for analogue output(0-10V,4-20mA).

Fuctions and features

By the probe, the pressure sensor can detect and then display the current system pressure (bar;Psi;Kgf;Psi) ; meanwhile, it can generate two signals according to the setting of output.

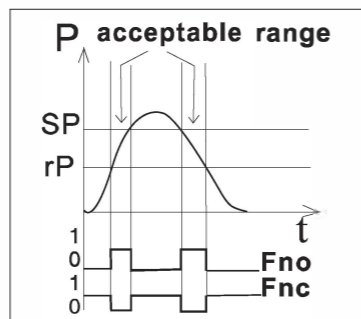
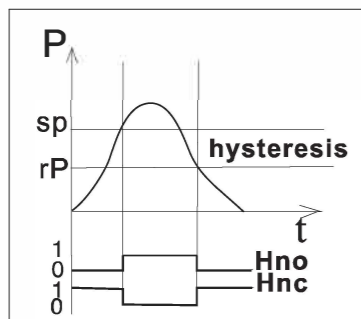
| Output 1 | Output 2 |
|-------------------------------|-----------------|
| Hysteresis/N.O.(Hno) | Analogue output |
| Hysteresis function/N.C.(Hnc) | 4~20mA(I) |
| window function/N.O.(Fno) | Analogue output |
| window function/N.C.(Fnc) | 0~10V(U) |

Hysteresis

The hysteresis keeps the switching state of the outputs stable. if the system pressure varies about the preset value. When the system pressure is increasing, the output switches when the switch-on point has been reached (SP1); when the system pressure is decreasing again, the output switch-off point (rP1) has been reached. The hysteresis can be adjusted: First the switch-on point is set, then the switch-on point with the different demand.

Window function :

The Window function enables the monitoring of a defined acceptable range. When the system press varies between the switch-on point (SP1) and the switch-off point(rP1). the output is switched (window function/NO) or not switched (window function/NC). The width of the Window can be set by means of the difference between SP1 and rP1. SP1=upper value, rP1=lower value.



Operating modes

Run mode:(Normal operating mode)

- When the supply voltage has been applied, the unit is in the Run mode .It monitors and switches the transistor output according to the set parameters.
- The output value of analogue signal is related to system presure
- The digit display indicates the current system pressure; the red LED indicates the switching state of the transistor output.

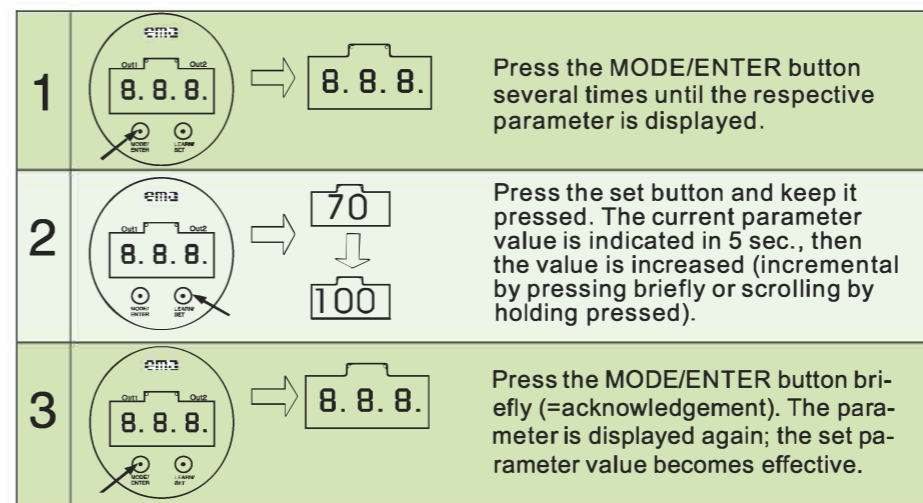
Display mode:(Indication of parameters and the set parameter values)

- When the “MODE/ENTER” button is pressed briefly, the unitpasses to the Display mode which allows parameter values to be read. The internal sensing , processing and output functions of the unit continue as if in Run mode.
- The parameter names are scrolled with each pressing of the “MODE/ENTER” button.
- when the “SET” button is pressed briefly, the correspond-ing parameter value is displayed for 5 sec.. After another 5 sec.. The unit returns to the Run mode.

Programming mode:(Setting of the parameter values)

- The unit passes it the programming mode when after the selection of a parameter value (Display mode) the “LEARN/ SET” button is pressed until the display of the parameter value has been changed. Internally the unit remains in the operating mode .It continues its monitoring function with the existing parameters until the change has been terminated.
- You can change the parameter value by pressing the “LEARN/SET” button and confirm it by pressing the “MODE/ENTER” button. The unit returns to the Run mode when no button has been pressed for 5 seconds.

Programming



- **Decrease parameter value:** Make the parameter value displayed reach the maximum setting of the parameter value, and then recycle from the minimum value to the maximum value
- **Lock:** The device has automatically lock function.If no key pressed when it is in the run mode, it will automatically lock the pushbuttons, normally detect temperature fluctuations, and output control value.
- **Unlock:** When it is in normal pressure display state(run mode),long press LEARN/SET, then press MODE/ENTER, maintaining 10 seconds, until display ULC the device is unlocked. All devices from the factory are locked.

Setting / Operation

Detecting security of device if the operation works effective. Fault situations:

| | |
|----|--------------------------------------------------------------|
| OL | Too high pressure |
| LO | Too low pressure |
| SC | Flashing = PNP or NPN output means overload or short circuit |



- 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



- Simple structure, Easy installation, No calibration required
- Unique way of digital calibration, high accuracy, high stability
- All stainless steel structure. Anti-resistant, anti-alkali/corrosion and shock resistant
- High precision ceramic components
- Analogue output 4-20 mA or 0-10 V
- Switching point can be set flexibly and easily
- Protection: IP68



Accessories:

| Type | Connector Order No. | | | | | | Drawing No. |
|------------------------------------------------------------------------------------------|---------------------|---------------------------------------|---------------------------------------|----------------------|---------------------------------------------------------|-----------------|-------------|
|  I | 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 |
|  L | | | | | | | |

| Order No. | US0004 | US0005 | US0006 |
|-------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Type |  G1/4" – G1/2" |  G1/4" – G1/4" |  G1/4" – M20 x 1.5 |
| Drawing No. | E3U04 | E3U05 | E3U06 |

Order NO.

| Order NO. | Thread Type | Thread | Sensible Range (bar) | Supply Voltage (V) | Output | Electric design | Drawing No. |
|-----------|-------------|--------|----------------------|--------------------|--------|-----------------|-------------|
| PB1140 | Internal | G1/4"I | -1...1 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1141 | Internal | G1/4"I | 2 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1142 | Internal | G1/4"I | 5 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1143 | Internal | G1/4"I | 10 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1144 | Internal | G1/4"I | 20 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1145 | Internal | G1/4"I | 50 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1146 | Internal | G1/4"I | 100 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1147 | Internal | G1/4"I | 200 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1148 | Internal | G1/4"I | 250 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1149 | Internal | G1/4"I | 400 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1150 | Internal | G1/4"I | 600 | 18~36 DC | 4~20mA | 2 | E3P03 |
| PB1160 | Internal | G1/4"I | -1...1 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1161 | Internal | G1/4"I | 2 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1162 | Internal | G1/4"I | 5 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1163 | Internal | G1/4"I | 10 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1164 | Internal | G1/4"I | 20 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1165 | Internal | G1/4"I | 50 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1166 | Internal | G1/4"I | 100 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1167 | Internal | G1/4"I | 200 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1168 | Internal | G1/4"I | 250 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1169 | Internal | G1/4"I | 400 | 18~36 DC | 0~10V | 3 | E3P03 |
| PB1170 | Internal | G1/4"I | 600 | 18~36 DC | 0~10V | 3 | E3P03 |

Technical parameters:

Probe material: Stainless steel 316L
 Accuracy[%]: ≤ ±1
 Current load [mA]: <30
 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

Order NO.

| Order NO. | Thread Type | Thread | Sensible Range (bar) | Supply Voltage (V) | Output | Electric design | Drawing No. |
|-----------|-------------|--------|----------------------|--------------------|--------|-----------------|-------------|
| PB2140 | External | G¼"A | -1...1 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2141 | External | G¼"A | 2 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2142 | External | G¼"A | 5 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2143 | External | G¼"A | 10 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2144 | External | G¼"A | 20 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2145 | External | G¼"A | 50 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2146 | External | G¼"A | 100 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2147 | External | G¼"A | 200 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2148 | External | G¼"A | 250 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2149 | External | G¼"A | 400 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2150 | External | G¼"A | 600 | 18~36 DC | 4~20mA | 2 | E3P04 |
| PB2160 | External | G¼"A | -1...1 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2161 | External | G¼"A | 2 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2162 | External | G¼"A | 5 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2163 | External | G¼"A | 10 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2164 | External | G¼"A | 20 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2165 | External | G¼"A | 50 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2166 | External | G¼"A | 100 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2167 | External | G¼"A | 200 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2168 | External | G¼"A | 250 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2169 | External | G¼"A | 400 | 18~36 DC | 0~10V | 3 | E3P04 |
| PB2170 | External | G¼"A | 600 | 18~36 DC | 0~10V | 3 | E3P04 |

Technical parameters:

Probe material: Stainless steel 316L
 Accuracy[%]: $\leq \pm 1$
 Current load [mA]: <30
 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



- Simple structure, Easy installation, No calibration required
- Unique way of digital calibration, high accuracy, high stability
- All stainless steel structure. Anti-resistant, anti-alkali/corrosion and shock resistant
- High precision ceramic element
- PNP or NPN NO/NC switching output
- Switching point can be adjusted by programmable unit



Accessories:

| Type | Connector Order No. | | | | | | Drawing No. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------|
|  I  L | 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. | US0004 | | US0005 | | | US0006 | |
| Type |  G1/4" – G1/2" | |  G1/4" – G1/4" | | |  G1/4" – M20 x 1.5 | |
| Drawing No. | E3U04 | | E3U05 | | | E3U06 | |
| Order No. | Programmable Unit Order No. | | | | | | Drawing No. |
| UP0001 |  Pressure range:-1...+600 bar Connection: M12 Socket Power supply interface:24VDC | | | | | | E3U14 |

Order NO.

| Order NO. | Thread Type | Thread | Sensible Range (bar) | Supply Voltage (V) | Output | Electric design | Drawing No. |
|-----------|-------------|--------|----------------------|--------------------|-----------|-----------------|-------------|
| PC2140 | External | G¼"A | -1...1 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2141 | External | G¼"A | 2 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2142 | External | G¼"A | 5 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2143 | External | G¼"A | 10 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2144 | External | G¼"A | 20 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2145 | External | G¼"A | 50 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2146 | External | G¼"A | 100 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2147 | External | G¼"A | 200 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2148 | External | G¼"A | 250 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2149 | External | G¼"A | 400 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2150 | External | G¼"A | 600 | 18~36 DC | PNP NO/NC | 3 | E3P05 |
| PC2160 | External | G¼"A | -1...1 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2161 | External | G¼"A | 2 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2162 | External | G¼"A | 5 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2163 | External | G¼"A | 10 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2164 | External | G¼"A | 20 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2165 | External | G¼"A | 50 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2166 | External | G¼"A | 100 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2167 | External | G¼"A | 200 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2168 | External | G¼"A | 250 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2169 | External | G¼"A | 400 | 18~36 DC | NPN NO/NC | 3 | E3P05 |
| PC2170 | External | G¼"A | 600 | 18~36 DC | NPN NO/NC | 3 | E3P05 |

Technical parameters:

Probe material: Stainless steel 316L
 Accuracy[%]: ≤ ±1
 Current load [mA]: <30
 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





- 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