






- Programmable smart pressure sensor, user can set the pressure range and switch point via buttons easily
- Offering 4 units of pressure, Bar, Kg/cm<sup>2</sup>, Mpa, and Psi, to be converted
- Delivers high accuracy, high stability and anticorrosive
- All stainless steel structure, used for gas and dust explosion proof
- Selection: Smart pressure, mbar pressure, Sanitary pressure
- Explosion-proof certification:  
Ex nA II C T4 Gc  
Ex tD A21 IP67 T90°C



Accessories:

Type	Connector Order No.						Drawing No.
I	C	02	I	5	EU	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 EU: PUR Explosion-proof	Size 12: M12	L:E1139
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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 (Internal)	Sensible Range (bar)	Supply Voltage (V)	Output 1	Output 2	Electric design	Drawing No.
PE1140	G¼"I	-1...1	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1141	G¼"I	2	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1142	G¼"I	5	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1143	G¼"I	10	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1144	G¼"I	20	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1145	G¼"I	50	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1146	G¼"I	100	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1147	G¼"I	200	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1148	G¼"I	250	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1149	G¼"I	400	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1150	G¼"I	600	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE1160	G¼"I	-1...1	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1161	G¼"I	2	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1162	G¼"I	5	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1163	G¼"I	10	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1164	G¼"I	20	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1165	G¼"I	50	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1166	G¼"I	100	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1167	G¼"I	200	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1168	G¼"I	250	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1169	G¼"I	400	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01
PE1170	G¼"I	600	20~32 DC	PNP NO/NC, NPN NO/NC	PNP NO/NC, NPN NO/NC	4	E3P01

Technical parameters:

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/°F]: -25...70/-13...158  
 Housing material: Stainless steel 304  
 Probe material: Stainless steel 316L  
 Pressure element: High-precision ceramic diaphragm

Flow Sensors  
Pressure Sensors  
Temperature Sensors

Order NO.

Order NO.	Thread (Internal)	Sensible Range (mbar)	Supply Voltage (V)	Output 1	Output 2	Electric design	Drawing No.
PE4101	G1/4	-100...100	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE4102	G1/4	-100...250	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01
PE4103	G1/4	-100...500	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P01

**Technical parameters:**

Accuracy[%]:  $\leq \pm 0.5$   
 Current load [mA]: 300  
 Voltage drop [V]: < 2  
 Analogue output response time [ms]: <3  
 Power-on delay time [s]: 0.3  
 Medium temperature[°C/°F]: -25...70/-13...158  
 Housing material: Stainless steel 304  
 Probe material: Stainless steel 316L  
 Pressure element: High-precision ceramic diaphragm



- This electronic pressure sensors meet the standard of sanitary design
- 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, used for gas and dust explosion proof
- Acquire FDA certification. The rating is IP67/IP69K
- Explosion-proof certification: Ex nA II C T4 Gc Ex tD A21 IP67 T90°C



Order NO.

Order NO.	Thread (External)	Sensible Range (bar)	Supply Voltage (V)	Output 1	Output 2	Electric design	Drawing No.
PE3201	G¾"A	-1...2	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P02
PE3202	G¾"A	-1...5	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P02
PE3203	G¾"A	-1...10	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P02
PE3204	G¾"A	-1...20	20~32 DC	PNP NO/NC, NPN NO/NC	0~10V, 4~20mA	4	E3P02

Accessories:

Type	Connector Order No.						Drawing No.
I 	C	02	I	5	EU	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 EU: PUR Explosion-proof	Size 12: M12	L:E1139
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Order No.	US0061	US0062
Type	 Hygienic welding adapter	 Hygienic Tri Clamp adapter
Drawing No.	E3U15	E3U16

Technical parameters:

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/°F]: -25...70/-13...158  
 If used in the explosion-proof area: -25...125(145 max/1h)  
 -13...257(297 max/1h)  
 Housing material: Stainless steel 304  
 Probe material: Stainless steel 316L  
 Pressure element: High-precision ceramic diaphragm