

Model EPT1150 series

OEM Pressure Transmitter
Mono-Block stainless steel pressure sensor
For machinery industry

Materontek
Sensing and Internet of Things

Features

- ❑ Measuring ranges from 3.5bar to 1000bar
- ❑ Gauge pressure
- ❑ Accuracy: $\pm 0.5\%$ FSO(Typ.)
- ❑ Calibrated and temperature compensated
- ❑ Stainless steel pressure sensor
- ❑ No O-ring seal
- ❑ Output 4...20mA, DC1...5V, DC0.5...4.5V



Application

- ❑ Hydraulic and pneumatic
- ❑ Machine building
- ❑ Process control systems
- ❑ Engineering machine

Technical data

Performance

Accuracy*	0.5%FS@25°C(Typ.)	*Linearity (best straight line) + Hysteresis + Repeatability
Operating Temperature Range	-40 to 120°C	
Compensated Temperature Range	0 to 70°C	
Vibration	20 g RMS(20 to 2000Hz)	
Shock	50 g(10ms)	
Cycles	10x10 ⁵	
Long Term Stability	0.25 %FS	

Electrical @25°C

Output signal / Supply	2-wire	4...20mA / V _S = 10...30VDC
	3-wire	1...5VDC / V _S = 10...30VDC
	3-wire	0.5...4.5VDC / V _S = 5VDC
Insulation Resistance	100 MΩ@100VDC	
EMC Test	IEC61000-6-2/IEC61000-6-3	
Reverse polarity protection	No damage – no function	

Physical Specifications

Housing	304 stainless steel
Diaphragm	17-4PH stainless steel
Sealing	No O-ring
Oil Filling	No
Protection	IP65
Weight	~180g(without cable)

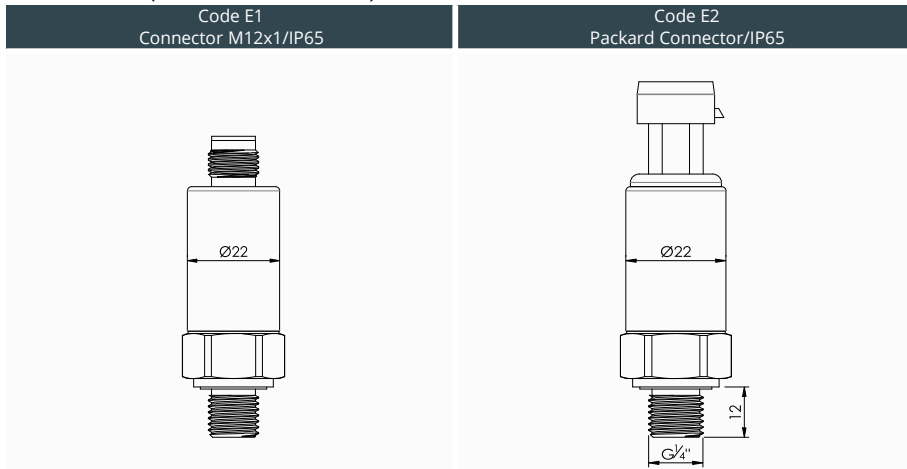
The listed specifications and dimensions are subject to change without prior notice

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Dimensions (All dimensions in mm)



Electrical connections

Packard Connector	4...20mA 2-wire	1...5VDC 3-wire	0.5...4.5VDC 3-wire
+Vcc	A	A	A
OUT	B	C	C
GND	-	B	B

Connector M12x1(4-pin)	4...20mA 2-wire	1...5VDC 3-wire	0.5...4.5VDC 3-wire
+Vcc	1	1	1
OUT	3	4	4
GND	-	3	3

Standard pressure range

Code	Pressure [bar]	Gauge	Overload
01	0...3.5	✓	200%FS
02	0...7	✓	200%FS
03	0...10	✓	200%FS
04	0...16	✓	200%FS
05	0...35	✓	200%FS
06	0...70	✓	200%FS
07	0...100	✓	200%FS
08	0...160	✓	200%FS
09	0...350	✓	200%FS
10	0...700	✓	150%FS
11	0...1000	✓	120%FS

Ordering code

Model	Range	Type	Output/Power supply	Pressure Port	Electrical Connection
EPT1150	code	G Gauge	42 4...20mA/12...30VDC	01 G1/4 male	E1 Connector M12x1(4-pin)
			15 DC 1...5V/12...30VDC	02 G1/2 male	E2 Packard/IP65
			05 DC 0...5V/12...30VDC	03 1/4NPT male	
			45 DC 0.5...4.5V/5VDC	04 1/2NPT male	
				05 M20x1.5 male	
				99 Custom	

Accuracy	Label
A1 0.25%FS	S Standard
A2 0.5%FS(Standard)	N Neutral packing
A3 1.0%FS	C Custom label