

# 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:±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 <sup>5</sup>	
Long Term Stability	0.25 %FS	

### Electrical @25°C

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

### Physical Specifications

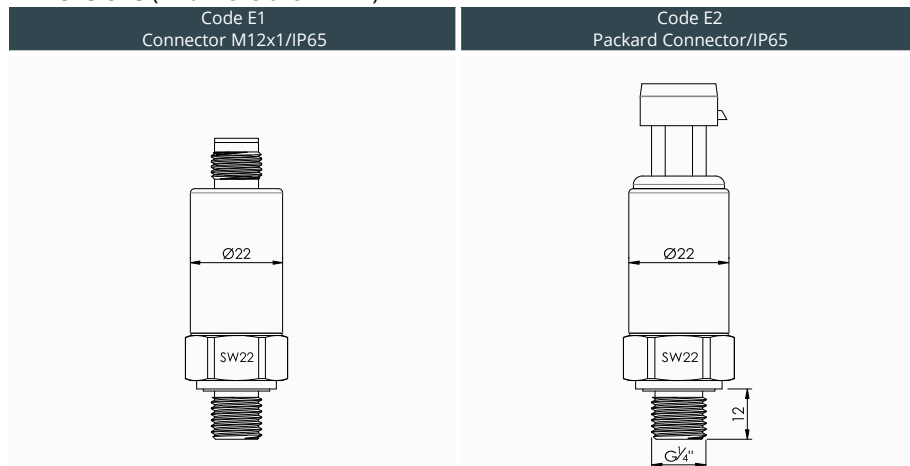
Housing	304 stainless steel
Diaphragm	17-4PH stainless steel
Sealing	No O-ring
Oil Filling	No
Protection	IP65
Weight	~180g(without cable)

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

# Model EPT1150 series

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

## 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 G¼ male	E1 Connector M12x1(4-pin)
			15	DC 1...5V/12...30VDC	02 G½ male	E2 Packard/IP65
			05	DC 0...5V/12...30VDC	03 ¼NPT male	
			45	DC 0.5...4.5V/5VDC	04 ½NPT 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