

PE1140 Explosion-Proof Pressure Sensor M12 socket Connection: Internal thread G1/4" Programmable Switching + Analogue output 4 digit display Sensing range -1...1 bar -14...14 Psi -1...1 kgf/cm²	 CE RoHS Ex NEPSA
Ex-Proof classification	Ex nA IIC T4 Gc / Ex tD A21 IP67 T90°C
Applications	Negative pressure: corresponding pressure
	Liquid and Air
Electric design	DC PNP / NPN
Output	NO  /NC  programmable, 4...20mA or 0...10V
Supply voltage[V]	20...32DC
Short-circuit protection	Pulsed
Reverse polarity protection	Yes
Overload protection	Yes
Watchdog	Yes
Voltage drop[V]	<2
Current consumption[mA]	<60
Overloading pressure [bar]	4
Burst pressure [bar]	6
Analogue output OUT2	4...20 mA / 0...10V
Overload of analogue output[Ohm]	4...20 mA:Max. (U _b -10V) x 50 / 0...10V:Min. 2000
Switching output OUT1	NPN/PNP
Overload of switching output [mA]	300
Setting range	
Switching point (SP)	-0.98...1bar
Reset point (rP)	-0.99...0.99bar
In steps of	0.01bar
Programming options	Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: NPN / PNP output
Deviations (% of final value measured)	
Accuracy of switching point	< ±0.5
Characteristic deviation	< ±0.5
Hysteresis	< ±0.25
Stability of long-time use	< ±0.5
Ambient temperature [°C/°F]	-25...70/-13...158
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Medium temperature [°C/°F]	When used for non-explosive area: -25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure rating	IP67
Insulation resistance[MΩ]	> 100(500 V DC)

Dimension	
ESD	6kV
EFT	2kV
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	Stainless steel 316L
Medium contacting material	Ceramic/SS316L/FKM
Function Display	
Switching status LED	2 red LED
System pressure/Function LED	4 digit segment
Connection	M12 socket
Wiring	
Core color	
Installation notice	Use the wrench to tighten Ex-proof connector with 1.5Nm of torque