

PA4101 Stainless steel Micro-Pressure Sensor M12 socket Connection: Internal thread G1/4 Programmable Switching + Analogue output 3 digit display Sensing range -100...100 mbar -1.45...1.45 Psi -0.1...0.1 kgf/cm²	 CE RoHS
Applications	Negative pressure: corresponding pressure Liquid and gas
Electric design	DC PNP / NPN
Output	NO  / NC  programmable, 4...20mA or 0...10V
Supply voltage[V]	18...36DC
Short-circuit protection	Pulsed
Reverse polarity protection	Yes
Overload protection	Yes
Watchdog	Yes
Voltage drop[V]	<2
Current consumption[mA]	<60
Overloading Pressure [bar]	1.0
Burst pressure [bar]	1.3
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...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature [°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance [MΩ]	> 100(500 V DC)
Dimension	Unit mm
ESD [KV]	III
EFT [KV]	III
Walkie talkie experiment [M]	<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/S316L/FPM (Viton)
Function Display	
Switching status LED	2 red LED
System pressure, function LED	3 digit segment
Connection	M12 socket
Wiring	
Core color	