

<p>PA4102 Stainless steel Micro-Pressure Sensor</p> <p>M12 socket Connection: Internal thread G1/4</p> <p>Programmable Switching + Analogue output 3 digit display Sensing range -100...250 mbar -1.45...3.6 Psi -0.1...0.25 kgf/cm<sup>2</sup></p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Negative pressure: corresponding pressure Liquid and gas</p>
<p>Electric design</p>	<p>DC PNP / NPN</p>
<p>Output</p>	<p>NO  NC  programmable, 4...20mA or 0...10V</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Short-circuit protection</p>	<p>Pulsed</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Overload protection</p>	<p>Yes</p>
<p>Watchdog</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p>&lt;2</p>
<p>Current consumption[mA]</p>	<p>&lt;60</p>
<p>Overloading Pressure [bar]</p>	<p>1.0</p>
<p>Burst pressure [bar]</p>	<p>1.3</p>
<p>Analogue output OUT2</p>	<p>4...20 mA / 0...10V</p>
<p>Overload of analogue output[Ohm]</p>	<p>4...20 mA:Max. (U<sub>b</sub>-10V) x 50 / 0...10V:Min. 2000</p>
<p>Switching output OUT1</p>	<p>NPN/PNP</p>
<p>Overload of switching output [mA]</p>	<p>300</p>
<p>Setting range</p>	
<p>Switching point (SP)</p>	<p>-0.98...1bar</p>
<p>Reset point (rP)</p>	<p>-0.99...0.99bar</p>
<p>In steps of</p>	<p>0.01bar</p>
<p>Programming options</p>	<p>Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: NPN / PNP output</p>
<p>Deviations (% of final value measured)</p>	
<p>Accuracy of switching point</p>	<p>&lt; ±0.5</p>

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	
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 (Vition)
Function Display	
Switching status LED	2 red LED
System pressure, function LED	3 digit segment
Connection	M12 socket
Wiring	
Core color	



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