

PA5103 Differential Pressure Sensor M12 socket Connection: Internal thread G1/4" Programmable Switching + Analogue output 4 digit display Sensing range 0...2 bar 0...29 Psi 0...2 kgf/cm2	
Applications	Measure the pressure difference between the pressure range at two ends of the pipe Liquid and Air
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
Static pressure[bar]	250
One line static pressure[bar]	150
Analogue output OUT2	4...20 mA / 0...10V
Overload of analogue output[Ohm]	4...20 mA:Max. (Ub-10V) x 50 / 0...10V:Min. 2000
Switching output OUT1	PNP/NPN
Overload of switching output [mA]	300
Setting range	
Switching point (SP)	0.02...2 bar
Reset point (rP)	0.01...1.99 bar
In steps of	0.01 bar
Programming options	Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: PNP / NPN output
Deviations (% of final value measured)	
Accuracy of switching point	±(0.2...0.5)
Characteristic deviation	< ±0.5
Hysteresis	< ±0.25
Stability of long-time use	< ±0.5
Ambient temperature [°C/°F]	-25...70/-13...158
Medium temperature [°C/°F]	-25...70/-13...158
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure rating	IP68

Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
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	Stainless steel 316L
Function Display	
Switching status LED	2 red LED
System pressure/Function LED	4 digit segment
Connection	M12 socket
Wiring	
Core color	