

PPS

Pressure sensors



Measuring range mBAR / BAR
Flush mounted options
Analogue output mA / V
M12 or DIN 43650 electrical connector

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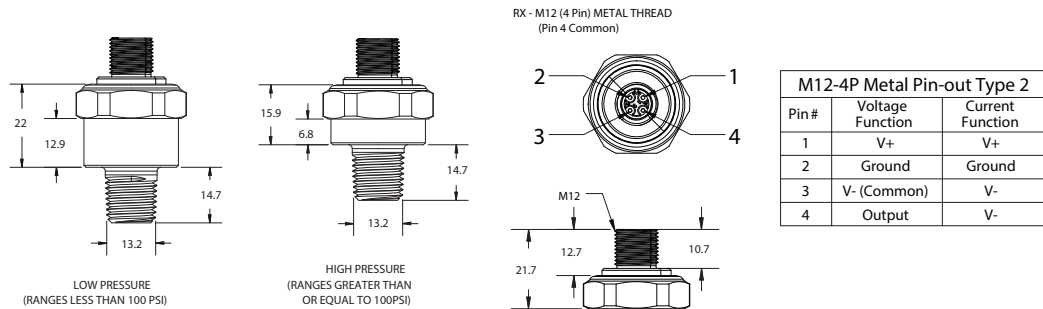
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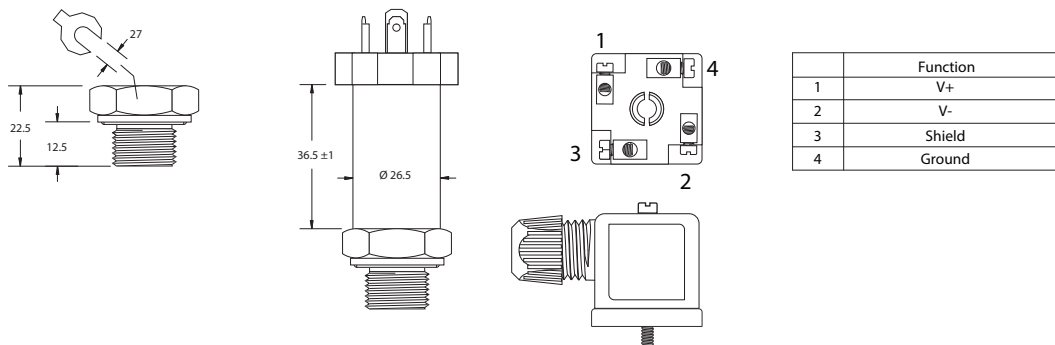


Dimensions - Process Connection

-A1



-A2



Main features

Power supply	15..30 VDC
Power consumption	Max 0,8 W
Material	Sensor housing steel galvanised
Weight	Approx. 189 g
Sealing	IP65

Technical data

Measuring range	-1..00 / 0.. 0.001 to 0..400 Bar (see Ordering code)
Sensor type	Thin film on steel
Electric connection	5 Pole Male M12x1 / 4 Pole DIN 43650
Sensor working temperature	- 20..+ 85°C (A2) / - 40..+ 125°C (A1)
Accuracy	± 1.0% of Span: From 0° C to 85°C (32° F to 185° F) ± 2.0% of Span: From 85° C to 125° C (185° F to 257° F) ± 2.0% of Span: From -40° C to -20° C (-40° F to -4° F) Includes the combined effects of non-linearity (Terminal Point Method), hysteresis, non-repeatability, temperature and zero offset and span setting errors

Outputs

1 analogue	4..20 mA
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Ordering code

PPS-1BR-1-1-1-A1	
Range 1.3BR = -1..3 Bar RELATIVE 0.1BR = -1..100 mBar RELATIVE 10BR = 0..10 Bar RELATIVE 0.1BA = 0..100 mBar ABSOLUTE 10BA = 0..10 Bar ABSOLUTE	Electrical Connections 1 = M12 4 pin 2 = M12 5 pin 3 = EN 175301-803 Form A (DIN 43650, Form A) 4 = EN 175301-803 Form C (DIN 43650, Form C)
Pressure connection 1 = 1/4" Gas 2 = 1/2" Gas 3 = 1/4" NPT 4 = 1/2" NPT 5 = 1/2" Gas Flush Membrane 6 = 1" Gas Flush Membrane	Analogue output 1 = 4..20 mA 2 = 0..10 Volt 3 = 0..20 mA