

P002...P010

Pressure sensor 0.2 to 1 MPa

Description

A series of high output amplified pressure sensor.

Particularly suited for use in the harsh automotive ambient.

The kit includes a pre wired mating connector with 300 mm leads and JIC to JIC 3/8"- 24 stainless steel adapter.

Main Features

- Compatible with most fluid in automotive environment

Benefits

- Small size
- High output
- High reliability



Typical Applications

Manifold pressure

Oil pressure

Fuel pressure

Product Range

Nominal Pressure*	PSI	a	30	a	50	g	50	g	150
	MPa		0.20		0.35		0.35		1.00
Burst Pressure	PSI		1000		1000		1000		3000
	MPa		7		7		7		21
Pressure Overload	* N.P.		x 5		x 5		x 5		x 3

Note:

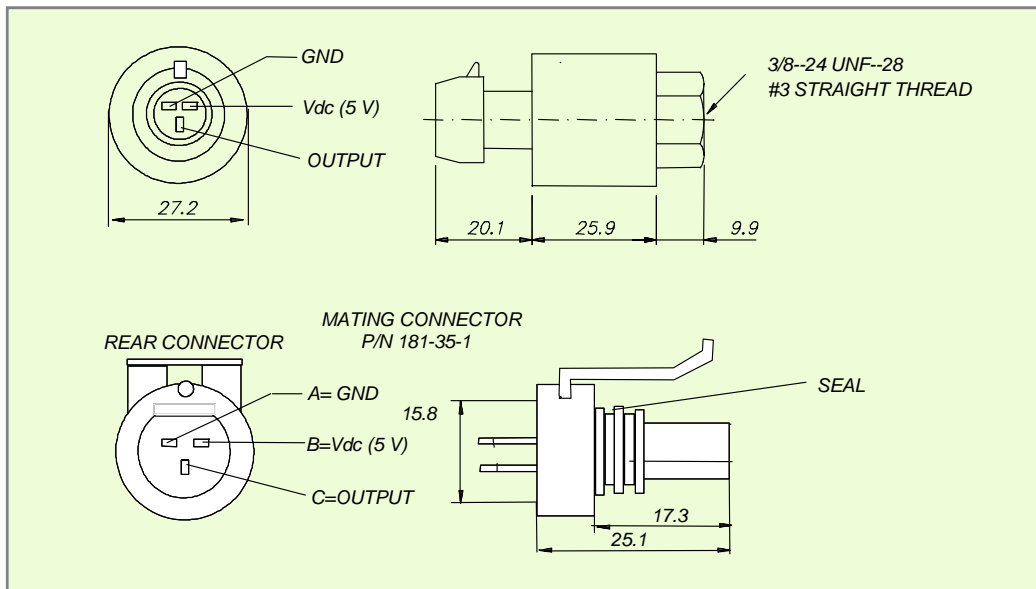
a = abs

g = gage

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Dimensions



Dimensions in millimetres

Technical Characteristics

Power supply	5	V
Supply current (@ 5 V)	< 4	mA
Null offset	0.5 ± 0.06	V
Full scale output	4.5 ± 0.06	V
Output impedance	100	Ω
Nominal pressure range	(See table)	
Operating temperature range	-40 to 125	°C
Response time	10	ms
Accuracy (f.s.o. and Null offset)		
@ -30 °C to 100 °C	± 4	% f.s.o.
@ 0 °C to 85 °C	± 2	% f.s.o.
Weight	70	g

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