



40 Huntingwood Drive Huntingwood NSW 2148

Phone: (02) 8825 1999 Website: www.aeroflowperformance.com

INSTALLATION MANUAL

AEROFLOW PERFORMANCE

PRESSURE SENSOR

WARNING!

BEFORE PROCEEDING WITH INSTALLATION PLEASE READ INSTRUCTIONS CAREFULLY. THIS PRODUCT REQUIRES DETAILED KNOWLEDGE OF AUTOMOTIVE SYSTEMS. WE RECOMMEND THAT THIS INSTALLATION BE CARRIED OUT BY A QUALIFIED AUTOMOTIVE TECHNICIAN.

INTRODUCTION

Congratulations on your purchase of Aeroflow Performance pressure sensor. Aeroflow Performance products cannot and will not be responsible for any damage, or other conditions resulting from misapplication of the parts described herein. However, it is our intention to provide the best possible products for our customer, products that perform properly and satisfy your expectations. Should you have any questions? Please call technical support at +61 2 8825 1900 and have the product part number on hand when calling.

The Aeroflow Performance pressure sensor (transducer) is a 150PSI (10 Bar) sensor with linear voltage output. Commonly used as an oil pressure sensor or fuel pressure sensor it also works with automotive gauges and data-loggers (as a pressure sender / transducer sensor) on popular aftermarket brands and Ecu's. Can also be used for Wastegate Pressure and in CO2 Systems making it a very versatile sensor.

This sensor has a 1/8" NPT thread. It includes the plug and pins to easily wire into any application. This sensor is fully calibrated for high accuracy and designed for high stability across the temperature range.

It is recommended these sensors must not be mounted directly into the fuel rail or engine block; they must be remotely mounted and connected via a flexible hose. Another option is to purchase separately a sensor block / log to mount your sensors away from the heat etc.

WARNING: Please take care when wiring this sensor as incorrect wiring of this sensor will damage this sensor and warranty will be voided. **DO NOT** reverse the polarity of active sensors as sensor damage will occur and warranty will be voided.

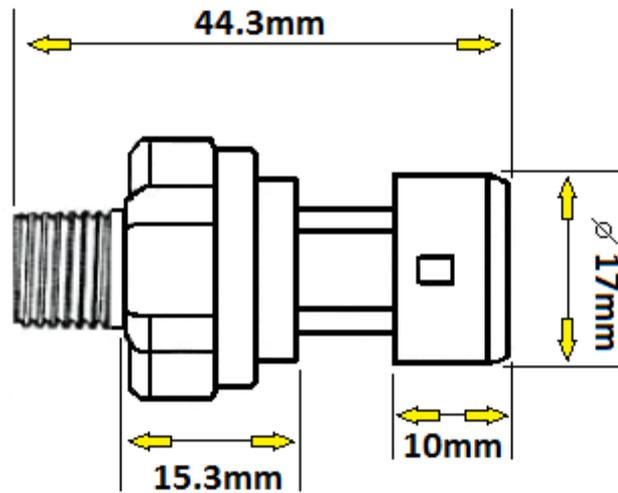
The sensor body material is Brass with a 22mm hex size.

For more information or technical enquires

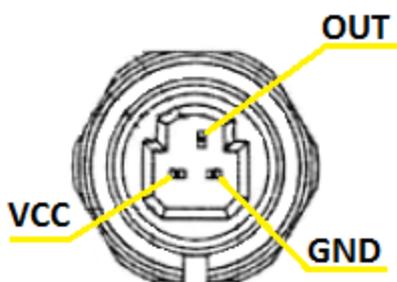
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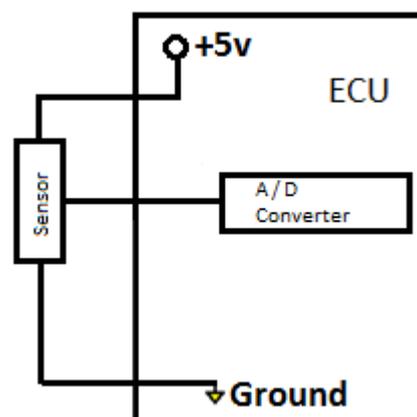
Dimension Of Sensor



Characteristic	Minimum	Working	Maximum	Unit
Pressure Range			10	BAR
Supply Voltage	4.65	5	5.35	Vdc
Supply Current			7	mAdc
Output Voltage	0.5		4.5	Vdc
Output Current			2.5	mAdc
Burst Pressure (no load)		2K		Ohms
Accuracy (0 to 85 °C)			1.5	%Vfss
Response Time			10	ms



Circuit Schematic

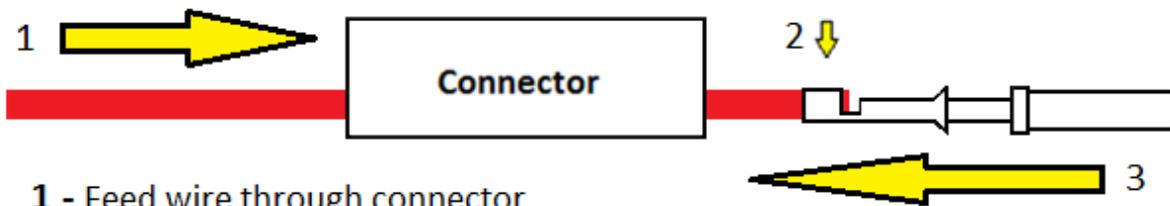


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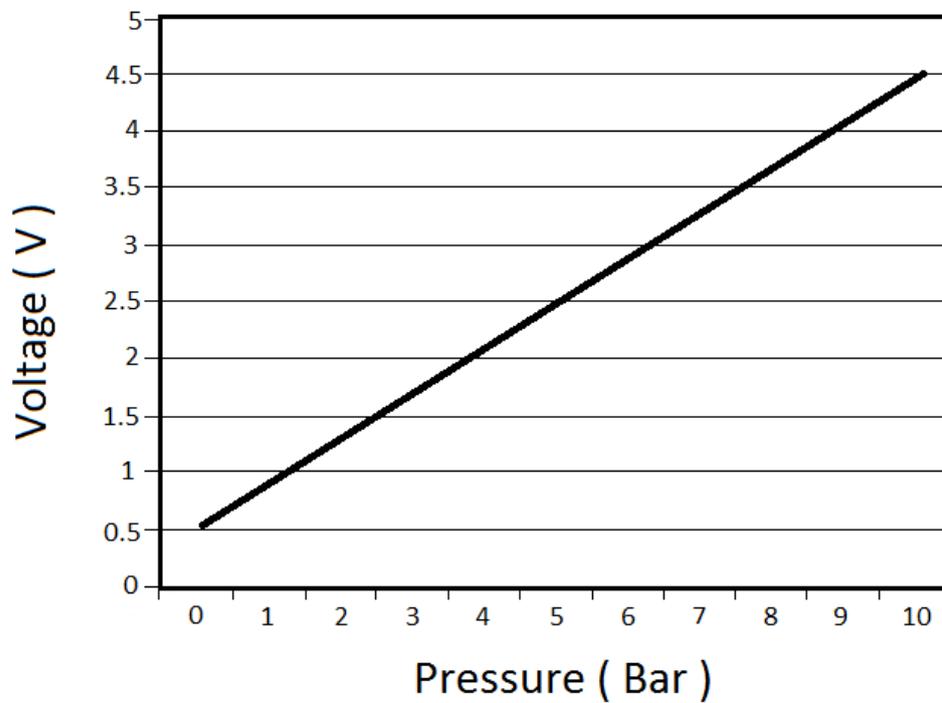
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Crimping Wire



- 1 - Feed wire through connector
- 2 - Crimp pin to wire
- 3 - Draw back into connector to lock

Voltage – Pressure Curve



Voltage – Pressure Chart

Pressure (Bar)	0	1	2	3	4	5	6	7	8	9	10
Voltage (V)	0.5	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1	4.5

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