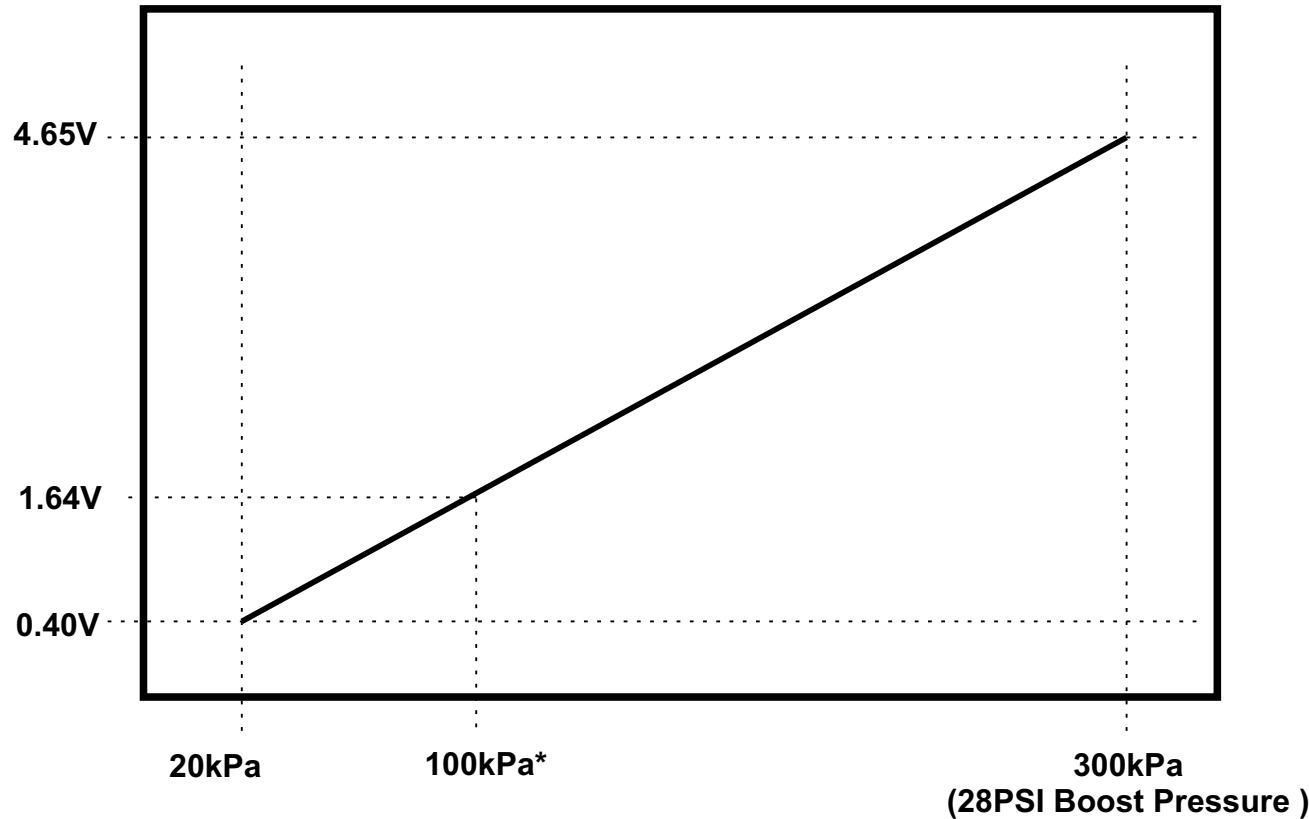




## Pressure Vs Voltage

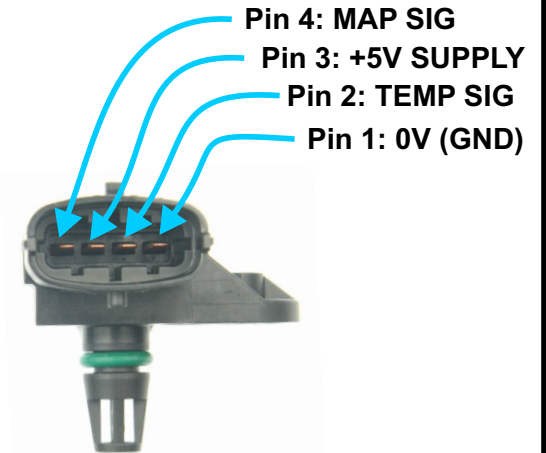


\*NOTE: This is an estimate of the voltage as Atmospheric Pressure changes with altitude and weather conditions

### NOTES:

Absolute Pressure is any pressure above a complete vacuum. This sensor can measure above and below atmospheric pressure.

This is an active sensor. Do not use a pull-up resistor on the signal of this sensor. The output is driven to the correct voltage by the electronics inside the sensor.



### APPLICATIONS:

This sensor is most often used as a MAP sensor to monitor engine intake vacuum and pressure for an engine management system.

Max Boost Pressure - 45PSI

**Bosch 3 Bar MAP and  
Temperature Sensor  
P/N H-MAP3-ATS**

Drawing Revision 3 - 23/4/2021



[www.youtube.com/efihardware](http://www.youtube.com/efihardware)



[www.facebook.com/efihardware](http://www.facebook.com/efihardware)



[www.efihardware.com](http://www.efihardware.com)



[info@efihardware.com](mailto:info@efihardware.com)



(03) 9873 5400  
+613 9873 5400



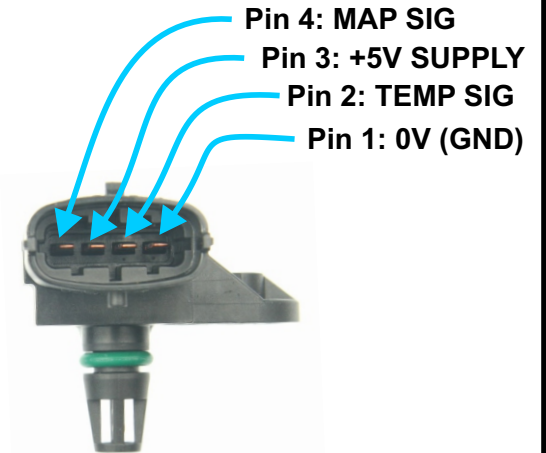
(03) 9873 5955  
+613 9873 5955

**Resistance Vs Temperature Data Table**

Temp C	Ohms	Temp C	R Ohms
-40	45,303	60	595.4
-30	26,108	70	435.6
-20	15,458	80	322.5
-10	9,395	90	243.6
0	5,895	100	144.2
10	3,791	120	112.7
20	2,499	130	89.280
25	2,056		
30	1,706		
40	1,174		
50	833.8		

**NOTES:**

This is a passive sensor and requires the use of a pull-up resistor on the signal of this sensor. This pull-up resistor is usually located inside your engine management system.



**APPLICATIONS:**

This sensor is most often used as an intake air temp sensor to monitor engine intake air temperature for an engine management system.