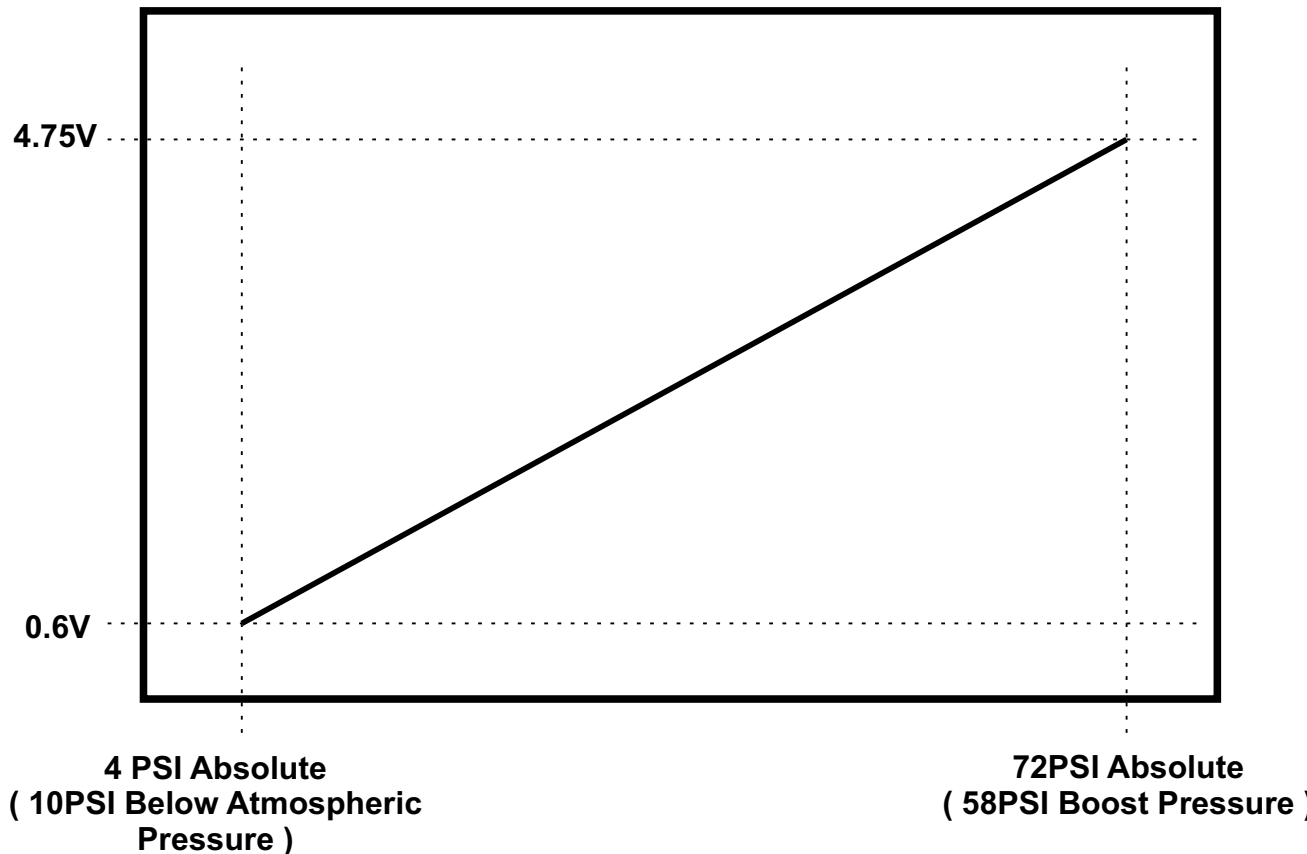




## Pressure Vs Voltage

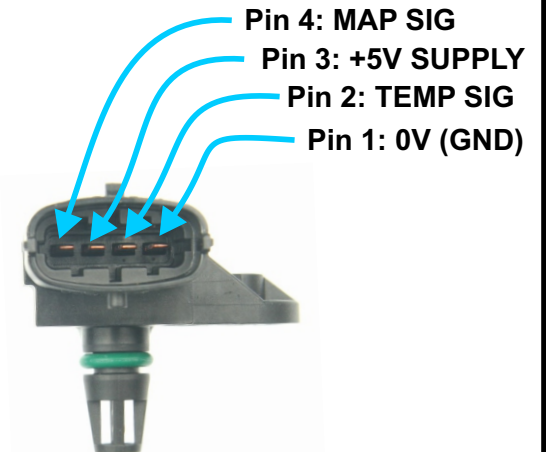


\*NOTE: This is an estimate of the voltage as Atmospheric Pressure changes with altitude and weather conditions

### 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 - 58PSI



# OMNI Power 5 Bar MAP and Temperature Sensor P/N H-MAP5-ATS

Drawing Revision 1 - 24/9/2020



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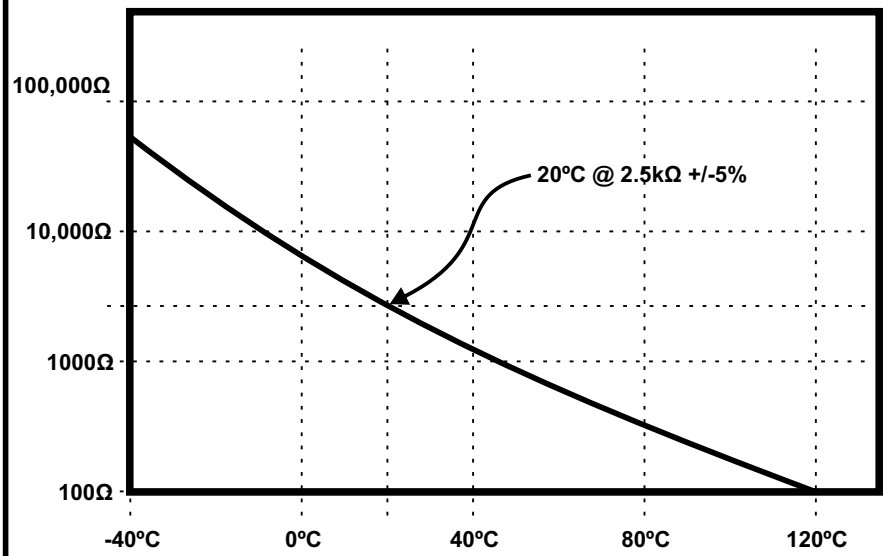


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## Temperature Vs Resistance

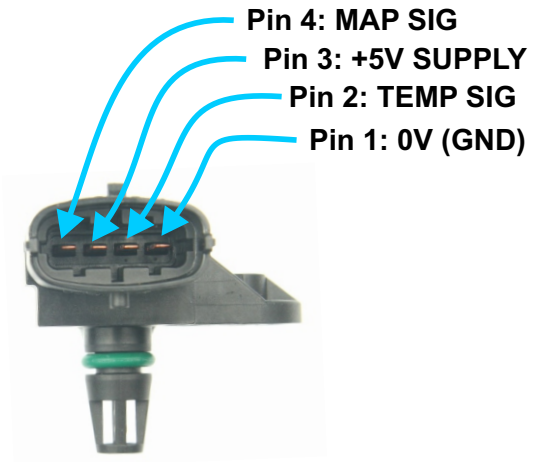


### NOTES:

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.

## Unloaded Resistance Vs Temperature Data Table

Temp C	R Ohms	Voltage	Temp C	R Ohms	Voltage
-40	45,313	4.896	90	243	0.976
-30	26,115	4.79	100	187	0.785
-20	15,675	4.634	110	144	0.629
-10	9,363	4.485	120	113	0.506
0	6,038	4.239	130	89	0.408
10	3,792	3.926	140	56	0.324
20	2,500	3.546	150	43	0.256
30	1,707	3.133	160	24	0.212
40	1,175	2.687			
50	834	2.263			
60	596	1.859			
70	436	1.513			
80	323	1.216			



### APPLICATIONS:

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