

3-Bar MAP Sensor

Part #SNS-1002



3-Bar MAP Sensor Kit Contents

- 1 - 3-Bar MAP Sensor
- 1 - 3-ft subharness with connector

If any of the above items are missing, please contact Powertrain Control Solutions.

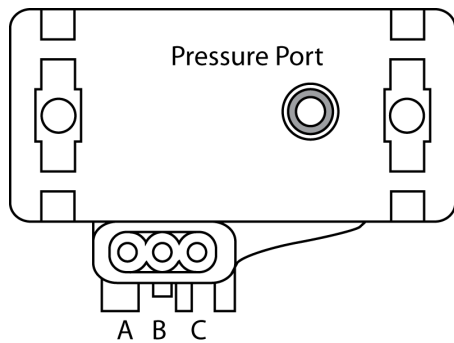
The 3-Bar Manifold Absolute Pressure (MAP) Sensor is used for measuring manifold vacuum and pressure. It will measure 1-bar of vacuum and 2-bar of pressure (approximately 30 PSI of boost).

Electrical Connection

The mate to the MAP sensor is a 3-way connector.

The pinout of the MAP sensor is shown below.

Pin	Function	Wire Color
A	Signal Ground	Black with White Stripe
B	Sensor Output	Yellow with Red Stripe
C	+5V Reference	Red with White Stripe



*Pin markings on back of sensor

Sensor Output

The MAP sensor outputs a voltage relative to the measured pressure. The pressure shown in the table is in/Hg when shown negative (vacuum) and PSI when positive. To verify the sensor is a 3-bar sensor, apply +5V and ground to the sensor and measure the output. The sensor should output approximately 1.58 volts at atmosphere.

Pressure	-28.3	-22.4	-15.9	-9.4	-3.5	1.2	4.1	7.0	10.2	13.3	16.2	19.1	22.0	24.9	28.1	31.3
Volt	0.0	0.33	0.67	1.0	1.33	1.67	2.0	2.33	2.67	3.0	3.33	3.67	4.0	4.33	4.67	5.0