



YP 7Bar Map Sensor Instruction Manual

The model YP101-2020 family of pressure transducers is specifically designed for pressure measurements in automotive systems. The mechanical connection is 1/8" Male (NPT). Each sensor comes with a mating connector plug and pin kit.

Specifications:

Accuracy: +/- 1% FS

Temp Error: +/- 1% FS

Operating Temp: -40 to 105C

Burst Pressure: 3 X FS

Supply Voltage: 5V +/- 0.5V

Supply Current: < 6 mA

Response Time: < 1 mS

Vibration: 20G Sinusoidal

Mechanical Connection: 1/8"NPT Male

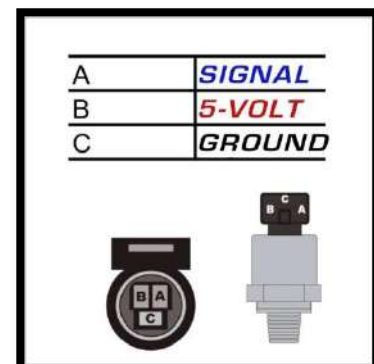
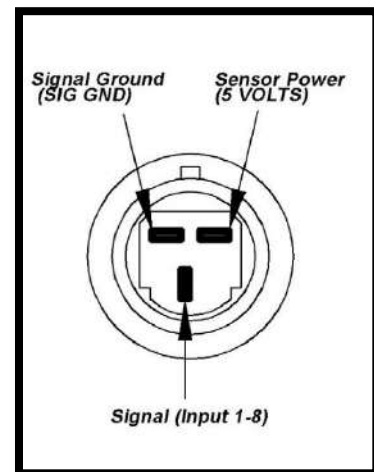
Electrical Connection: Packard 3-Pin

Electrical Termination:

Signal Ground: Tap to Sensor/Signal Ground on EMS or AQ1

Sensor Power: Tap to Sensor Power +5V on EMS or AQ1

Signal: Connect to MAP/Input Channel on EMS or Input 1-8 on AQ1



YP 7Bar Map Sensor Readings

VOLTS	PSI	kPa
0.50	-14.70	00.00
0.75	-8.450	43.092
1.0	-2.200	86.185
1.25	4.050	129.277
1.50	10.300	172.369
1.75	16.550	215.461
2.0	22.800	258.554
2.25	29.050	301.646
2.50	35.300	344.738
2.75	41.550	387.830
3.0	47.800	430.923
3.25	54.050	474.015
3.50	60.300	517.107
3.75	66.550	560.199
4.0	72.800	603.292
4.25	79.050	646.384
4.50	85.300	689.476

YP 7Bar Map Sensor Graphical Representation

