



YP 60PSI Pressure Sensor Instruction Manual

The model YP60-2020 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

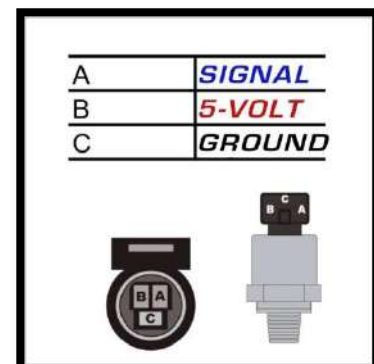
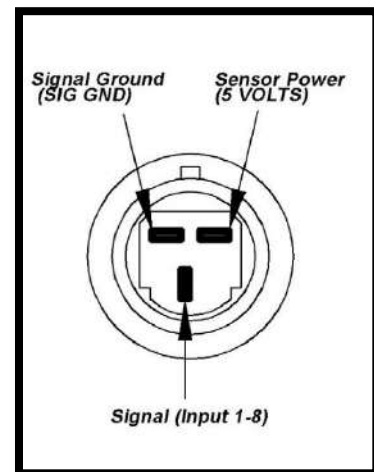
Electrical Connection: Packard 3-Pin

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 60PSI Pressure Sensor Readings

VOLTS	PSI	kPa
0.50	00.00	100.00
0.75	3.75	125.85
1.0	7.5	151.71
1.25	11.25	177.56
1.50	15	203.42
1.75	18.75	229.27
2.0	22.5	255.13
2.25	26.25	280.98
2.50	30	306.84
2.75	33.75	332.69
3.0	37.5	358.55
3.25	41.25	384.4
3.50	45	410.26
3.75	48.75	436.11
4.0	52.5	461.97
4.25	56.25	487.83
4.50	60	513.68

YP 60PSI Pressure Sensor Graphical Representation

