



## YP 2000 PSI Pressure Sensor Instruction Manual

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The model YP2000-2020 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°C to 120°C

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

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## YP 2000 PSI Pressure Sensor Readings

VOLTS	PSI	kPa
0.50	00.00	100.00
0.75	125.00	961.85
1.0	250.00	1823.69
1.25	375.00	2685.53
1.50	500.00	3547.38
1.75	625.00	4409.22
2.0	750.00	5271.07
2.25	875.00	6132.91
2.50	1000.00	6994.76
2.75	1125.00	7856.60
3.0	1250.00	8718.45
3.25	1375.00	9580.29
3.50	1500.00	10442.14
3.75	1625.00	11303.99
4.0	1750.00	12165.83
4.25	1875.00	13027.68
4.50	2000.00	13889.51

## YP 2000 PSI Pressure Sensor Graphical Representation

