



## 10 BAR MAP SENSOR

5V maximum input voltage

32 cells are calculated, for 16 or 8 cell input, use every other, or fourth cell as necessary

| <b>Voltage</b> | <b>Kpa</b> | <b>BAR</b> | <b>PSI</b> | <b>in. Hg (Vac.)</b> |
|----------------|------------|------------|------------|----------------------|
| <b>0.500</b>   | 0          | 0          | -14.50     | 29.92                |
| <b>0.629</b>   | 32.3       | 0.323      | -9.82      | 20.27                |
| <b>0.758</b>   | 64.5       | 0.645      | -5.15      | 10.62                |
| <b>0.887</b>   | 96.8       | 0.968      | -0.47      | 0.97                 |
| <b>1.016</b>   | 129.0      | 1.290      | 4.21       | NA                   |
| <b>1.145</b>   | 161.3      | 1.613      | 8.89       | NA                   |
| <b>1.274</b>   | 193.5      | 1.935      | 13.56      | NA                   |
| <b>1.403</b>   | 225.8      | 2.258      | 18.24      | NA                   |
| <b>1.532</b>   | 258.1      | 2.581      | 22.92      | NA                   |
| <b>1.661</b>   | 290.3      | 2.903      | 27.60      | NA                   |
| <b>1.790</b>   | 322.6      | 3.226      | 32.27      | NA                   |
| <b>1.919</b>   | 354.8      | 3.548      | 36.95      | NA                   |
| <b>2.048</b>   | 387.1      | 3.871      | 41.63      | NA                   |
| <b>2.177</b>   | 419.4      | 4.194      | 46.31      | NA                   |
| <b>2.306</b>   | 451.6      | 4.516      | 50.98      | NA                   |
| <b>2.435</b>   | 483.9      | 4.839      | 55.66      | NA                   |
| <b>2.564</b>   | 516.1      | 5.161      | 60.34      | NA                   |
| <b>2.693</b>   | 548.4      | 5.484      | 65.02      | NA                   |
| <b>2.822</b>   | 580.6      | 5.806      | 69.69      | NA                   |
| <b>2.951</b>   | 612.9      | 6.129      | 74.37      | NA                   |
| <b>3.080</b>   | 645.2      | 6.452      | 79.05      | NA                   |
| <b>3.209</b>   | 677.4      | 6.774      | 83.73      | NA                   |
| <b>3.338</b>   | 709.7      | 7.097      | 88.40      | NA                   |
| <b>3.467</b>   | 741.9      | 7.419      | 93.08      | NA                   |
| <b>3.596</b>   | 774.2      | 7.742      | 97.76      | NA                   |
| <b>3.725</b>   | 806.5      | 8.065      | 102.44     | NA                   |
| <b>3.854</b>   | 838.7      | 8.387      | 107.11     | NA                   |
| <b>3.983</b>   | 871.0      | 8.710      | 111.79     | NA                   |
| <b>4.112</b>   | 903.2      | 9.032      | 116.47     | NA                   |
| <b>4.241</b>   | 935.5      | 9.355      | 121.15     | NA                   |
| <b>4.370</b>   | 967.7      | 9.677      | 125.82     | NA                   |
| <b>4.500</b>   | 1000.0     | 10.000     | 130.50     | NA                   |