Calibration

|  |  |  |  |
| --- | --- | --- | --- |
| **Hall Voltage 1 (mV)** | **Hall Voltage 2 (mV)** | **Magnetic Field (T)** | **Offset Hall Voltage (V)** |
| 83.8 | 86 | -0.055 | -0.0011 |
| 79.3 | 91.1 | -0.245 | -0.0059 |
| 74.9 | 96.2 | -0.444 | -0.01065 |
| 70.2 | 101.2 | -0.652 | -0.0155 |
| 65.6 | 106.2 | -0.856 | -0.0203 |
| 61.1 | 111.2 | -1.071 | -0.02505 |
| 56.6 | 116.2 | -1.287 | -0.0298 |
| 52.3 | 121.1 | -1.495 | -0.0344 |
| 48.2 | 125.8 | -1.712 | -0.0388 |
| 44.1 | 130.8 | -1.918 | -0.04335 |
| 39.8 | 134.7 | -2.12 | -0.04745 |
| 36.4 | 138.9 | -2.34 | -0.05125 |
| 32.9 | 143 | -2.54 | -0.05505 |
| 29.3 | 147.1 | -2.75 | -0.0589 |
| 26.2 | 150.8 | -2.95 | -0.0623 |
| 23.1 | 154.6 | -3.15 | -0.06575 |
| 20.1 | 158.2 | -3.35 | -0.06905 |

Hall Effect Data 3375

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hall Voltage 1 (mV)** | **Electromagnet Current 2 (A)** | **Hall Voltage 2 (mV)** | **Magnetic Field (T)** | **Offset Hall Voltage (mV)** |
| -103.1 | 0 | -103.1 | -0.055 | 0 |
| -98.9 | 0.25 | -106.9 | -0.245 | 4 |
| -94.7 | 0.5 | -111.1 | -0.444 | 8.2 |
| -90.4 | 0.75 | -115.3 | -0.652 | 12.45 |
| -86 | 1 | -119.5 | -0.856 | 16.75 |
| -81.8 | 1.25 | -123.9 | -1.071 | 21.05 |
| -77.6 | 1.5 | -128.4 | -1.287 | 25.4 |
| -73.4 | 1.75 | -132.8 | -1.495 | 29.7 |
| -69.2 | 2 | -137.1 | -1.712 | 33.95 |
| -65.2 | 2.25 | -141.4 | -1.918 | 38.1 |
| -61.1 | 2.5 | -145.8 | -2.12 | 42.35 |
| -57.1 | 2.75 | -150 | -2.34 | 46.45 |
| -53.2 | 3 | -154.1 | -2.54 | 50.45 |
| -49.3 | 3.25 | -158.3 | -2.75 | 54.5 |
| -45.5 | 3.5 | -162.4 | -2.95 | 58.45 |
| -41.9 | 3.75 | -166.4 | -3.15 | 62.25 |
| -38.4 | 4 | -170.3 | -3.35 | 65.95 |