

## Appendix: Data of Diode

| Voltage[V] | Current [mA] | Error on Voltage[V] | Error on Current [mA] |
|------------|--------------|---------------------|-----------------------|
| -15.000    | -0.008       | 0.100               | 0.001                 |
| -14.000    | -0.007       | 0.100               | 0.001                 |
| -13.000    | -0.006       | 0.100               | 0.001                 |
| -12.000    | -0.005       | 0.100               | 0.001                 |
| -11.000    | -0.003       | 0.100               | 0.001                 |
| -10.000    | -0.002       | 0.100               | 0.001                 |
| -9.000     | -0.001       | 0.100               | 0.001                 |
| -8.000     | 0.002        | 0.100               | 0.001                 |
| -7.000     | 0.003        | 0.100               | 0.001                 |
| -6.000     | 0.004        | 0.100               | 0.001                 |
| -5.000     | 0.005        | 0.100               | 0.001                 |
| -4.000     | 0.006        | 0.100               | 0.001                 |
| -3.000     | 0.007        | 0.100               | 0.001                 |
| -2.000     | 0.008        | 0.100               | 0.001                 |
| -1.000     | 0.009        | 0.100               | 0.001                 |
| 0.000      | 0.010        | 0.100               | 0.001                 |
| 0.050      | 0.010        | 0.005               | 0.001                 |
| 0.112      | 0.010        | 0.008               | 0.001                 |
| 0.168      | 0.010        | 0.004               | 0.001                 |
| 0.240      | 0.010        | 0.004               | 0.001                 |
| 0.310      | 0.010        | 0.002               | 0.001                 |
| 0.376      | 0.012        | 0.002               | 0.001                 |
| 0.464      | 0.037        | 0.004               | 0.001                 |
| 0.480      | 0.055        | 0.004               | 0.001                 |
| 0.528      | 0.180        | 0.004               | 0.005                 |
| 0.632      | 1.740        | 0.004               | 0.005                 |