Table 1: Experimental data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sensor | **Parameter** | Trial 1 | | Trial 2 | | Trial 3 | | **Average** | | **Standard deviation** | | **Expected value** | | **Error, %** | |
| 15 cm | 45 cm | 15 cm | 45 cm | 15 cm | 45 cm | 15 cm | 45 cm | 15 cm | 45 cm | 15 cm | 45 cm | 15 cm | 45 cm |
| IR | ADC value |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distance, cm |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| US | Pulse length, ms |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Distance, cm |  |  |  |  |  |  |  |  |  |  |  |  |  |  |