**pH Sensor**

pH Sensor calibration command and status code for calibration feedback details:

|  |  |
| --- | --- |
| **Android App sends** | **ESP32 Response** |
| pair | ph:pair |
| od | ph:<pH Value> |
| enterph | ph:<status code> |
| calph:<temperature> | ph: <status code> |
| exitph | ph: <status code> |

When sends the calph:<temperature> from mobile app needs to send temperature which is previously recorded from the temperature sensor.

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 0 | Error Command |
| 1 | Please put the probe into the 4.0 or 7.0 standard buffer solution |
| 2 | Buffer Solution: 7.0 detected |
| 3 | Buffer Solution: 4.0 detected |
| 4 | Buffer Solution Error Try Again |
| 5 | Calibration Successful |
| 6 | Calibration Failed |

**ECSensor**

EC Sensor calibration command and status code for calibration feedback details:

|  |  |
| --- | --- |
| **Android App sends** | **ESP32 Response** |
| pair | ec:pair |
| od | ec:<EC Value> |
| enterec | ec:<status code> |
| calec:<temperature> | ec: <status code> |
| exitec | ec: <status code> |

When sends the calec:<temperature> from mobile app needs to send temperature which is previously recorded from the temperature sensor.

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 0 | Error Command |
| 1 | Please put the probe into the 1413us/cm or 2.76ms/cm or 12.88ms/cm buffer solution |
| 2 | Buffer 1.413ms/cm |
| 3 | Buffer 2.76ms/cm |
| 4 | Buffer 12.88ms/cm |
| 5 | Buffer Solution Error Try Again |
| 6 | Calibration Successful |
| 7 | Calibration Failed |
| 8 | Successful, Send EXITEC to Save and Exit |
| 9 | The computed value of K is out of range 0.5-2.0. Failed, Try Again |

**Pressure Sensor**

|  |  |
| --- | --- |
| **Android App sends** | **ESP32 Response** |
| pair | p:pair |
| od | p:<pressure Value> |
| enterp | p:<status code> |
| calp | p: <status code> |
| exitp | p: <status code> |

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 1 | Enter calibration mode |
| 2 | Successfully Calibrated |
| 3 | Exit from calibration mode |

**Temperature Sensor**

|  |  |
| --- | --- |
| **Android App sends** | **ESP32 Response** |
| pair | t:pair |
| od | t:<temperature Value> |

**Weight Scale**

|  |  |
| --- | --- |
| **Android App sends** | **ESP32 Response** |
| pair | w:pair |
| od | w:<weight Value> |