|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Needed per sensor | € (euro) |  | Link | Notes |
| Arduino uno rev 3 | 1 | 23.5 | Arduino uno | <https://dk.rs-online.com/web/p/arduino/7154081/> |  |
| Arduino uno datalogger shield | 1 | 18.9 | Adafruit Data Logger Shield | <https://www.elfadistrelec.dk/da/samlet-datalogningsafskaermning-adafruit-1141/p/30091132?track=true&no-cache=true&marketingPopup=false> |  |
| 2 GB SD card | 1 | 10.7 |  | <https://www.elfadistrelec.dk/da/sd-hukommelseskort-gb-transcend-ts2gsdc/p/11074864?q=&pos=1&origPos=1&origPageSize=10&track=true> |  |
| CO2 sensor | 1 | 70.0 | K33-ELG SenseAir | https://senseair.com/products/flexibility-counts/k33-elg/ |  |
| Figaro methane sensor | 1 | 24.3 | NGM2611-E13 Figaro | <https://dk.rs-online.com/web/p/miljosensor-ic-er/1346657/> |  |
| Humidity and temperature sensor | 1 | 7.2 | Sensirion SHT45-AD1B-R2 | https://dk.rs-online.com/web/p/temperatursensor-og-fugtighedssensor-ic-er/2436413/?redirect-relevancy-data|  |
| Air pump | 1 | 18.6 | Orion ODB5515-12LB | [https://dk.rs-online.com/web/p/blaesere/1444135/](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdk.rs-online.com%2Fweb%2Fp%2Fblaesere%2F1444135%2F&data=04%7C01%7Cjonassoe%40biology.sdu.dk%7C83b918fddbfc4ee70b8208d8bb8a7ab0%7C9a97c27db83e4694b35354bdbf18ab5b%7C0%7C0%7C637465550719877651%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=LC7dWiZf7%2FsFWOAQTfro3owgscpyD0vH6RobGxxiNG0%3D&reserved=0) |  |
| PCB with components | 1 | 9.6 |  | <https://jlcpcb.com/> | A minimum of 5 must be bought. |
| Voltage regulator | 1 | 0.9 | 1A 7V TO252-3 | https://dk.rs-online.com/web/p/spaendingsregulatorer/1288854 |  |
| Battery connector | 1 | 0.7 | Molex CGrid SL Srd Hdr RA 120 TPg Tin 2Ckt | <https://dk.rs-online.com/web/p/printstiftlister/1790643> |  |
| Air pump connector | 1 | 0.8 | Wurth Elektronik 4039 | <https://dk.rs-online.com/web/p/printklemraekker/1917417> |  |
| Pin headers | 1 | 1.0 | 1 row Straight Pin Header 5.7mm x 7.6mm | https://dk.rs-online.com/web/p/printstiftlister/2518339 |  |
| Coin cell battery | 1 | 0.2 | RS Lithium Coin Cell CR1220 5PK | https://dk.rs-online.com/web/p/knapcellebatterier/8660653 |  |
| Screw | 2 | 0.5 | to hold CO2 sensor | https://dk.rs-online.com/web/p/maskinskruer/2326918 |  |
| Bolt | 2 | 0.3 | to hold CO2 sensor | https://dk.rs-online.com/web/p/sekskantmotrikker/2326936 |  |
| Spacer | 2 | 0.4 |  | https://dk.rs-online.com/web/p/afstandsstykker/1363728?redirect-relevancy-data|  |
| Wire | 1.5 m | 5.9 | 2 core 22-30 AWG | https://dk.rs-online.com/web/p/styrekabel/0409258 | Rubber sheating is prefered for water, but any can do. |
| Wire crimp | 2 | 0.0 | SLTM Crimp Terminal, Series 70058, Female, with Tin (Sn) Plated Contact, 24-30 AWG, Reel | <https://dk.rs-online.com/web/p/crimpkontakter/6706268> |  |
| Socket connectors | 1 |  | Socket connectors to connect PCB to datalogger shield | https://dk.rs-online.com/web/p/sil-fatninger/7022814?searchId=e630f1ab-cf0e-4068-ac1c-8535b25499ed&gb=s |  |
| Battery | 1 | 168.3 | 12.8V 12Ah LiFePO4 battery | https://dk.rs-online.com/web/p/genopladelige-batteripakker/1828654?gb=b | Price depending on battery size. Here a standard 12 Ah battery is reported |
| Total no battery |  | 194.64 |  |  | | |  |
| Total |  | 362.96 |  |  | | |  |