Data logger for values:

|  |  |  |
| --- | --- | --- |
| Voltage Min (Throttle) | V | Voltage meter |
| Amperes Min | A | Ampere meter |
| Thrust | N | Hanging scale |
| Speed | m/s | GPS app on phone or shield for arduino |
| Batterycapacity | Wh | Capacity meter |
| Batterypower | Ah | Power meter |
| Batterysupply voltage | V | Voltage meter |
| Wind speed | m/s | Wind speed meter |
| Wind direction | ° | Wind angle meter (vane) |
| Thermometer for: Water, Ambient air, Nominal operating cell | °C | Multiple thermometers |

Ac module

<https://nl.aliexpress.com/item/32497449788.html>

Dc module

<https://how2electronics.com/dc-voltmeter-using-arduino/>

<https://www.instructables.com/Arduino-Precise-Accurate-Volt-Meter-0-90V-DC/>

<https://circuits4you.com/2016/05/13/arduino-voltage-measurement/>

Ambient Temperature & humidity sensor

<https://techzeero.com/arduino-tutorials/dht11-with-arduino/>

Other temperatures

<https://randomnerdtutorials.com/9-arduino-compatible-temperature-sensors-for-your-electronics-projects/>

Wind data

<https://www.instructables.com/Real-Time-Wind-Direction-and-Speed/> or separate module