

Simon Kerstan (simon001) - Public Page

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Now, write something! 😬

Main devices used

- Arduino MKR Wifi 1010



- Arduino MKR ENV Shield



- Capacitive Soil Moisture Sensor



- OLED Display 1,3 Zoll



- LiPo Akku Lithium-Ion Polymer Batterie



Devices used	Function
Arduino MKR Wifi 1010	module which is used for exporting and controlling all the gathered information
Arduino MKR ENV Shield	able to plot several environmental entities
Capacitive Soil Moisture Sensor	sensor monitoring the water content in the soil and provides this information to the ...
OLED Display 1,3 Zoll	displays the ... gained by the measurement devices
LiPo Akku Lithium-Ion Polymer Batterie	provides energy for the controller as well as the sensors

time	Moisture with vegetation	Temperature in °c	Pressure in hPa	Humidity	Illuminance in Lux	UV Index	Moisture of pure soil
08:09:03	50,00	21,18	97,44	61,72	412,90	0,04	40,00
08:39:05	50,00	21,79	97,43	58,85	429,03	0,04	40,00
09:09:07	50,00	21,85	97,45	58,98	779,03	0,04	40,00
09:39:09	49,00	22,03	97,44	57,67	977,42	0,05	40,00
10:09:11	50,00	22,14	97,45	57,08	877,42	0,05	40,00
10:39:12	49,00	22,13	97,46	57,55	787,10	0,05	40,00
11:09:14	49,00	22,24	97,50	57,64	1191,94	0,06	40,00
11:39:15	49,00	22,22	97,50	57,57	1451,61	0,06	40,00
12:09:17	49,00	22,37	97,52	58,48	1587,10	0,06	40,00
12:39:18	49,00	22,76	97,54	56,99	1590,32	0,06	40,00
13:09:20	49,00	22,85	97,56	56,60	1503,23	0,06	40,00
13:39:21	49,00	22,65	97,55	57,32	1075,81	0,07	39,00
14:09:23	49,00	22,33	97,60	59,08	956,45	0,07	39,00

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 **Figure 3** Schematic of the connections between ESP32 and the modules and parts.

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