

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	Temperature in °c	Pressure in hPa	Humidity	Illuminace in Lux	UV Index	Moisture Without

time	Moisture With	Temperature in °c	Pressure in hPa	Humidity	Illuminace in Lux	UV Index	Moisture Without
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



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

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