

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