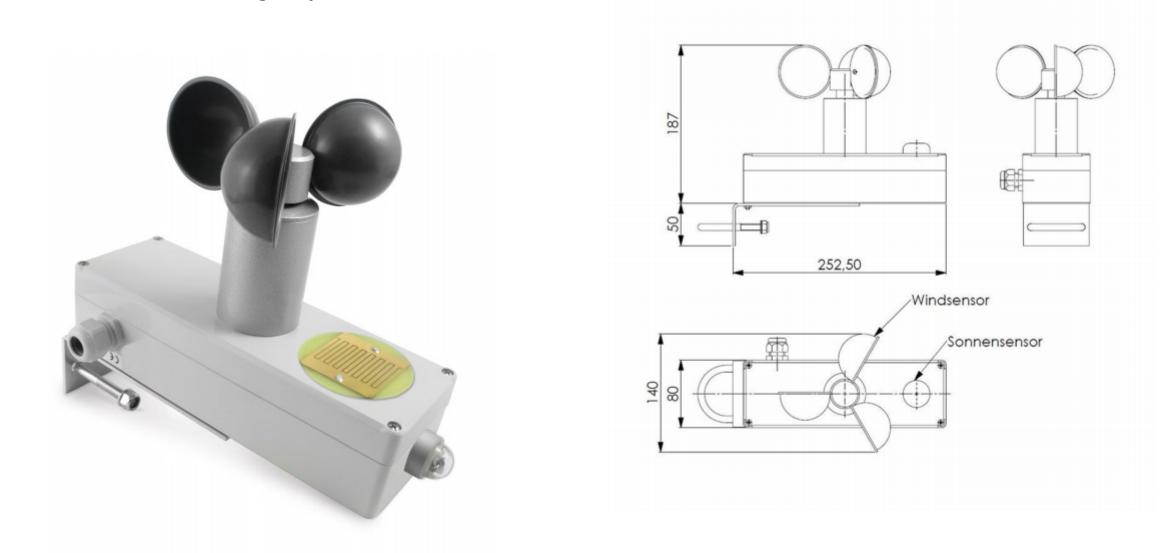


Integration of Weather Station – Mathias Grueman Version document V1.0 – Date 15.09.2021

# **Berlin, Germany**

### Weather station with analog output 0-10V

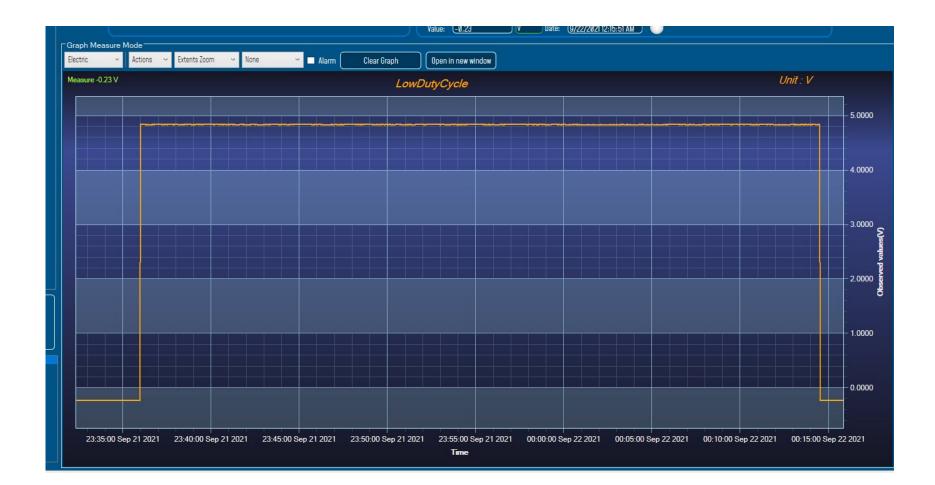


<u>IMPORTANT</u> : BeanDevice<sup>®</sup> AN-V ±5V DAQ should be configured in Unipolar

# **Electical connection**

Wiring code	Description
1	Gnd
2	Pwr+ , 24VDC
3	Common input for Rain, connected to Voltage output of BeanDevice ( brown)
4	Not connected
5	Relay output for rain Connected to Sens+ (Green) – If rain is detected , output is connected to common
6	Windspeed 035m/s Connected to sens- (brown)
7	Windspeed 035m/s Connected to sens+ (green)
8	Light 0100klux Connected to Sens- (brown)
9	Light 0100klux Connected to Sens+ (green)

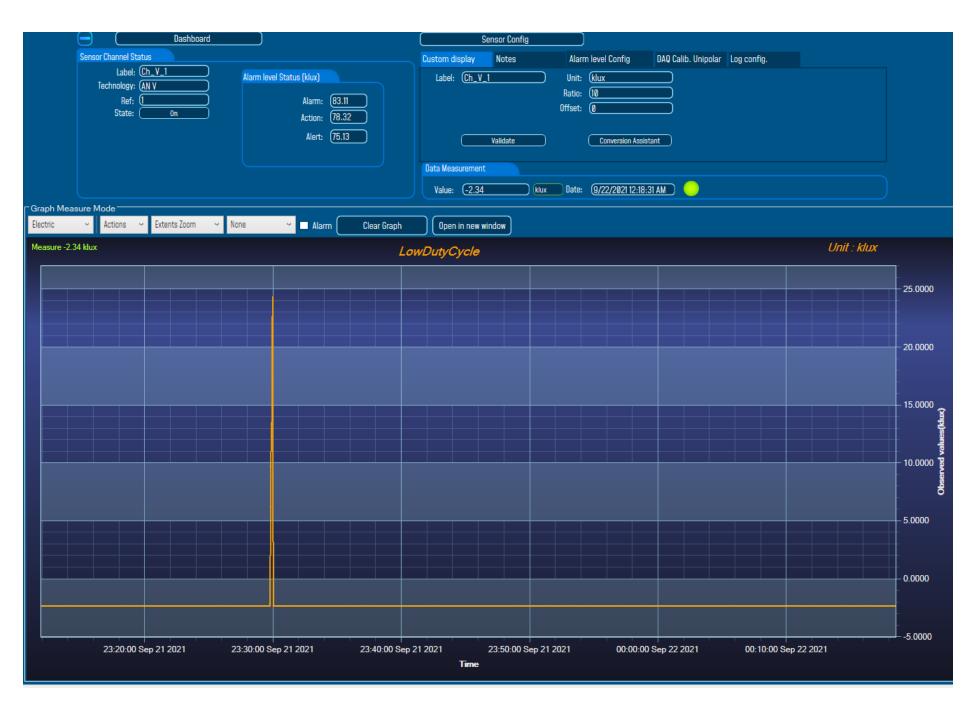
### Rain Channel If 4.85VDC , it's raining If 0VDC, it's not raining



#### Dashboard Sensor Config Connection Sensor Channel Status Custom display Notes Alarm level Config DAQ Calib. Unipolar Log config. Started 🦲 Label: Ch\_V\_0 Alarm level Status (m/s) Unit: (m/s Label: Ch\_V\_0 Technology: (AN V Ratio: (3.5 MAC\_ID : 0 x 00158D00000E0AAF Alarm: (29.09 Ref: 🔘 Ch\_V\_0 Ch\_V\_1 Offset: 🔘 State: On Action: 27.41 Ch\_V\_2 Alert: (26.3 Conversion Assistant Ch\_V\_3 Validate MAC\_ID : 0 x 00158D00000E0D26 Ch\_V\_0 Data Measurement Ch\_V\_1 Ch\_V\_2 \_\_\_\_\_ m/s\_\_\_\_ Date: <u>9/22/2021 12:18:11 AM</u>\_\_\_\_\_\_ Value: (-0.58 Ch\_V\_3 MAC\_ID : 0 x 00158D00000E125E ⊂ Graph Measure Mode<sup>•</sup> MAC\_ID : 0 x 00158D00000E1261 Electric Actions ~ Extents Zoom ~ None Alarm Clear Graph Open in new window MAC\_ID : 0 x 00158D00000E126D MAC\_ID : 0 x 00158D00000E1270 Measure -0.58 m/s Unit : m/s LowDutyCycle MAC\_ID : 0 x 00158D00000E1272 MAC\_ID : 0 x 00158D00000E1273 MAC\_ID : 0 x 00158D00000E1274 7.0000 6.0000 5.0000 4.0000 3.0000 Component List 2.0000 Sort 🕂 🗖 Access to different sites 1.0000 Site : 0 x 0F3A 0.0000 -1.0000 23:20:00 Sep 21 2021 23:30:00 Sep 21 2021 23:40:00 Sep 21 2021 23:50:00 Sep 21 2021 00:00:00 Sep 22 2021 00:10:00 Sep 22 2021 Time

### WIND speed Channel 0....35m/s = 0...10VDC Ratio = 3.5 Offset = 0

### Lux Channel 0....100klux = 0...10VDC Ratio = 10 Offset = 0







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