Integration of Weather Station – Mathias Grueman

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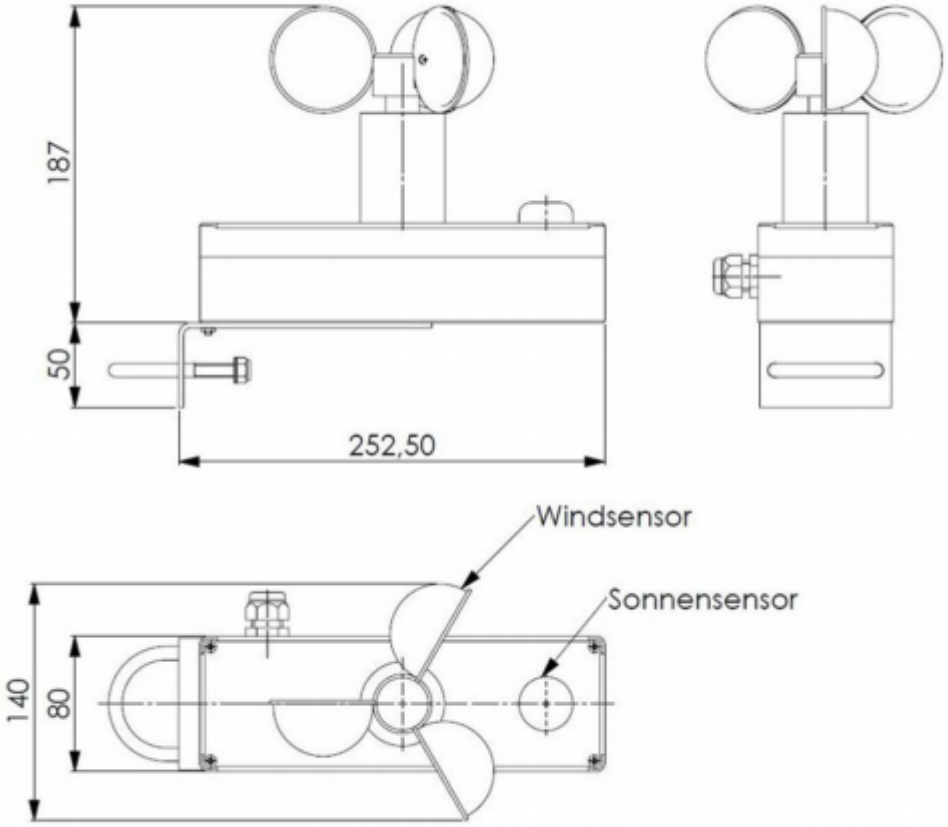
Berlin, Germany

Weather station with analog output 0-10V



IMPORTANT : BeanDevice® 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 0…35m/s Connected to sens- (brown)
7	Windspeed 0…35m/s Connected to sens+ (green)
8	Light 0…100klux Connected to Sens- (brown)
9	Light 0…100klux Connected to Sens+ (green)

Rain Channel

If 4.85VDC , it's raining

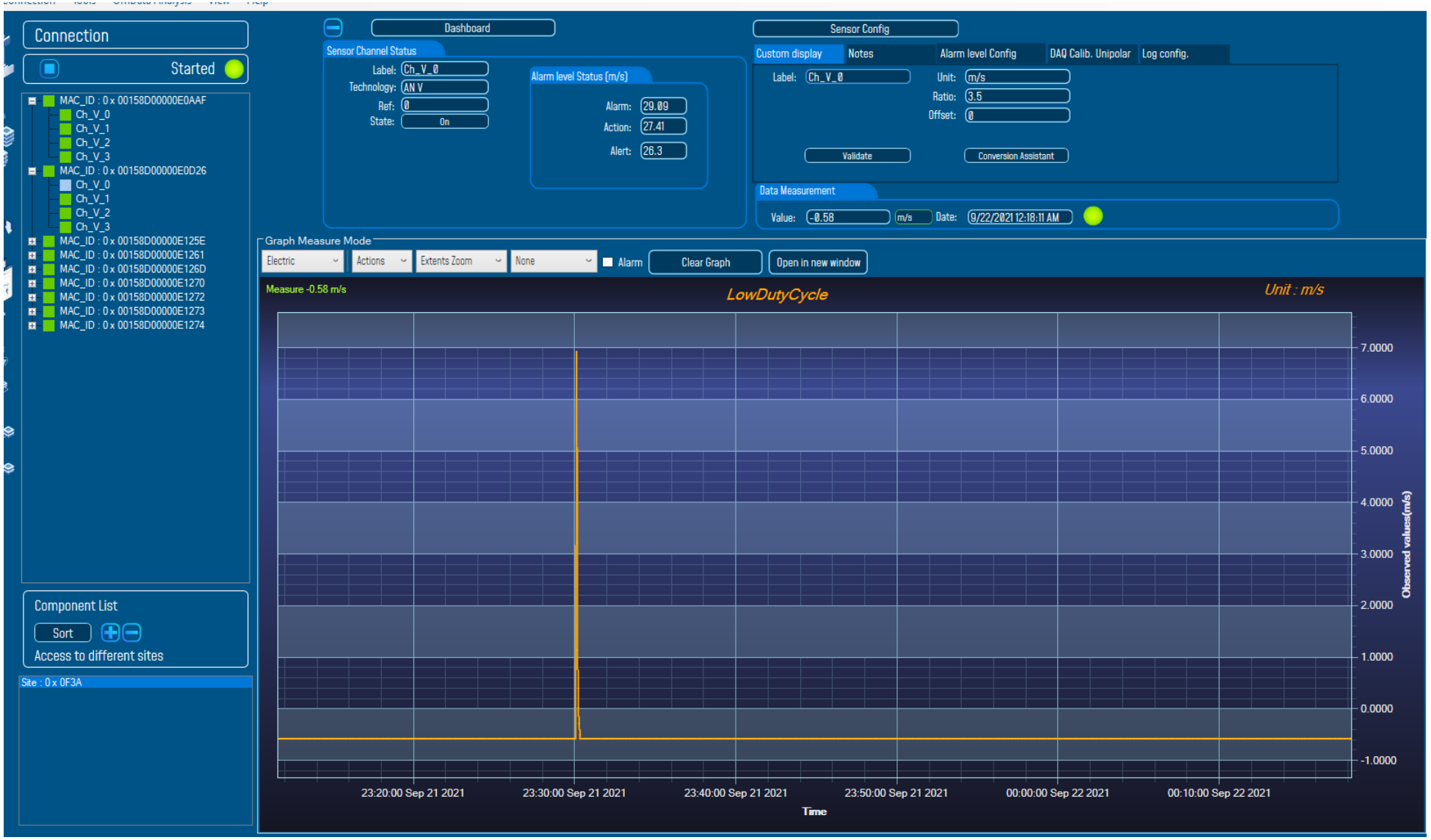
If 0VDC, it's not raining

WIND speed Channel

0….35m/s = 0…10VDC

Ratio = 3.5

Offset = 0

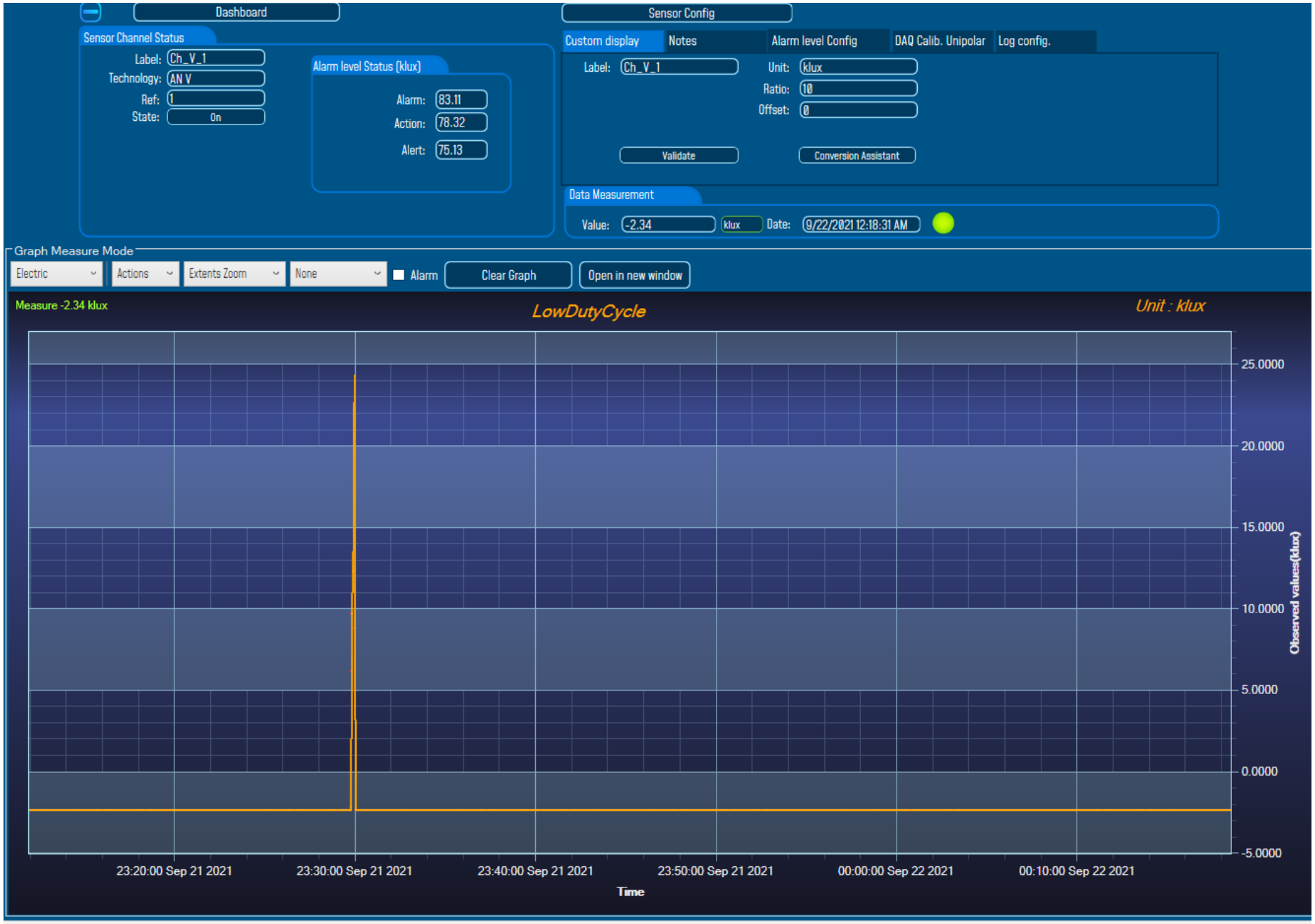


Lux Channel

0….100klux = 0…10VDC

Ratio = 10

Offset = 0



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