

Final Inspection Protocol

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|--------------------------|-------------------------------------------------------------------|
| Type of sensor | Oxygen sensor spot |
| Ordering code | SP-PS_{t5}-NAU-D5-YOP-US |
| Article number | 200001096 |
| Batch number | PSt5-2334-01 |
| Production Date | 23 Aug 2023 |
| Reference devices | SEBX 000 4 000 1127 SEBX 000 4 000 1128 SEBX 000 4 000 1129 |

Dear customer,

Please upload the file with the BATCH NUMBER above (corresponding to the batch number printed on the package of your Sensor Spot) in the SDR software. The file will be sent to you by e-mail. Choose this batch number in the software for your measurement.

Data

Data were obtained with calibration solutions at 0 and 21 % O₂ at 10 and 25°C.

| | for T _m = 10 °C | for T _m = 25°C | Valid Range for T _m = 10 °C | Valid Range for T _m = 25 °C | Passed? |
|---------------------|----------------------------|---------------------------|----------------------------------------|----------------------------------------|---------|
| O2_cal0 [°]: | 55,64 | 53,94 | 52.50 - 59.00 | 50.00 - 57.00 | yes |
| O2_cal2nd [°]: | 49,52 | 46,67 | 46.00 - 52.00 | 42.00 - 49.00 | yes |
| O2_T0 [°C]: | 10,0 | 25,1 | 9.5 - 10.5 | 24.5 - 25.5 | yes |
| O2_T2nd [°C]: | 10,0 | 25,1 | 9.5 - 10.5 | 24.5 - 25.5 | yes |
| O2_2nd [% air sat.] | 100 | 100 | 100 | 100 | yes |
| O2_Patm [mbar]: | 968 | 968 | 900 - 1100 | 900 - 1100 | yes |

Quality control

| | | Result at 10 °C | Result at 25 °C | Valid range | QC passed? |
|--------------------------------|--------------------------|-----------------|-----------------|-------------|------------|
| Precision [% O ₂] | at 0 % O ₂ : | 0,18 | 0,11 | ≤ 1.00 | yes |
| | at 21 % O ₂ : | 0,58 | 0,36 | ≤ 1.00 | yes |
| Resolution [% O ₂] | at 0 % O ₂ : | 0,11 | 0,12 | ≤ 0.40 | yes |
| | at 21 % O ₂ : | 0,21 | 0,25 | ≤ 0.40 | yes |

Sensors are visually inspected.

The sensors of this batch have passed the final inspection and comply with the required quality criteria.

Inspected by (name / date) S. Rabsilber 21. NOV. 2023

Approved by (name / date) M. Rothammer 21. NOV. 2023