

Final Inspection Protocol

Type of sensor	Oxygen sensor spot
Ordering code	SP-PSt5-NAU-D5-YOP-US
Article number	200001096
Batch number	PSt5-2445-01
Production Date	30 Oct 2024
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 [°]:	55,66	54,05	52.50 - 59.00	50.00 - 57.00	yes
O2_cal2nd [°]:	49,63	46,77	46.00 - 52.00	42.00 - 49.00	yes
O2_T0 [°C]:	10,4	24,6	9.5 - 10.5	24.5 - 25.5	yes
O2_T2nd [°C]:	10,4	24,6	9.5 - 10.5	24.5 - 25.5	yes
O2_2nd [% air sat.]	100	100	100	100	yes
O2_Patm [mbar]:	978	978	900 - 1100	900 - 1100	yes

Quality control

Precision [% O ₂]		Result at 10 °C	Result at 25 °C	Valid range	QC passed?
	at 0 % O ₂ :		0,25	0,29	≤ 1.00
at 21 % O ₂ :		0,51	0,52	≤ 1.00	yes
Resolution [% O ₂]					
	at 0 % O ₂ :		0,13	0,10	≤ 0.40
at 21 % O ₂ :		0,23	0,18	≤ 0.40	yes

Sensors are visually inspected.

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

S. Rabsilber 28. NOV. 2024

Inspected by (name / date)

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Th. Eisenbeis 28. NOV. 2024

Approved by (name / date)

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