

# Final Inspection Protocol

<b>Type of sensor</b>	Oxygen sensor spot
<b>Ordering code</b>	SP-PS5-NAU-D5-YOP_US
<b>Article number</b>	200001096
<b>Batch number</b>	<b>PS5-2223-01</b>
<b>Reference devices</b>	SEBX 000 4 000 197 SEBX 000 4 000 199 SEBX 000 4 000 200

**Dear customer,**

Please upload the file with the BATCH NUMBER above (corresponding to the batch number printed on the package of your glass plate) 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 % O<sub>2</sub> at 10 and 25°C.

	for T <sub>1</sub> = 10 °C	for T <sub>1</sub> = 25 °C	Valid Range for T <sub>m</sub> = 10 °C	Valid Range for T <sub>m</sub> = 25 °C	Passed?
O2_cal0 [°]:	<b>56.29</b>	<b>54.55</b>	52.50 - 59.00	50.00 - 57.00	yes
O2_cal2nd [°]:	<b>49.81</b>	<b>46.91</b>	46.00 - 52.00	42.00 - 49.00	yes
O2_T0 [°C]:	<b>9.7</b>	<b>25.0</b>	9.5 - 10.5	24.5 - 25.5	yes
O2_T2nd [°C]:	<b>9.7</b>	<b>25.0</b>	9.5 - 10.5	24.5 - 25.5	yes
O2_2nd [% air sat.]	<b>100</b>	<b>100</b>	100	100	yes
O2_Patm [mbar]:	<b>975</b>	<b>975</b>	900 - 1100	900 - 1100	yes

## Quality control

Precision [% O <sub>2</sub> ]		Result at 10 °C	Result at 25 °C	Valid range	QC passed?
	at 0 % O <sub>2</sub> :		0.43	0.27	≤ 1.00
at 21 % O <sub>2</sub> :		0.88	0.62	≤ 1.00	yes
Resolution [% O <sub>2</sub> ]					
	at 0 % O <sub>2</sub> :		0.02	0.01	≤ 0.40
at 21 % O <sub>2</sub> :		0.02	0.03	≤ 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. ... 130.6.22*

**Approved by (name / date)**

*M. Rothhammer 01. JULI 2022*