

Final Inspection Protocol

Type of sensor	Oxygen sensor spot
Ordering code	SP-PSt5-NAU-D3-YOP
Article number	200000544
Batch number	PSt5-2102-01
Production Date	11 Jan 2021
Do not use after	11 Jan 2023
Reference devices	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 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 [°]:	56,14	54,55	52.50 - 59.00	50.00 - 57.00	yes
O2_cal2nd [°]:	50,69	47,62	46.00 - 52.00	42.00 - 49.00	yes
O2_T0 [°C]:	9,9	24,6	9.5 - 10.5	24.5 - 25.5	yes
O2_T2nd [°C]:	9,9	24,6	9.5 - 10.5	24.5 - 25.5	yes
O2_2nd [% air sat.]	100	100	100	100	yes
O2_Patm [mbar]:	969	969	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 :	0,37	0,21	≤ 1.00	yes
	at 21 % O ₂ :	0,97	0,69	≤ 1.00	yes
Resolution [% O ₂]	at 0 % O ₂ :	0,02	0,02	≤ 0.40	yes
	at 21 % O ₂ :	0,03	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. Rabsilber 14. JAN. 2021

Approved by (name / date)

M. Rothhammer 14. JAN. 2021

PreSens Precision Sensing GmbH
 Am BioPark 11
 93053 Regensburg
 Germany
 Phone +49 941 94272 100
 Fax +49 941 94272 111
 info@PreSens.de
 www.PreSens.de