

Final Inspection Protocol

Type of sensor	Oxygen sensor spot
Ordering code	SP-PSt5-NAU-D5-YOP-US
Article number	200001096
Batch number	PSt5-1621-01
Production Date	19 May 2016
Do not use after	19 May 2018
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 [°]:	56,49	54,76	52.50 - 59.00	50.00 - 57.00	yes
O2_cal2nd [°]:	50,39	47,47	46.00 - 52.00	42.00 - 49.00	yes
O2_T0 [°C]:	10,0	24,8	9.5 - 10.5	24.5 - 25.5	yes
O2_T2nd [°C]:	10,0	24,8	9.5 - 10.5	24.5 - 25.5	yes
O2_2nd [% air sat.]	100	100	100	100	yes
O2_Patm [mbar]:	965	965	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 :	0,47	0,37	≤ 1.00	yes
	at 21 % O ₂ :	0,90	0,75	≤ 1.00	yes
Resolution [% O ₂]	at 0 % O ₂ :	0,02	0,01	≤ 0.40	yes
	at 21 % O ₂ :	0,03	0,01	≤ 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 25. MAI 2016

M. Rothammer 25. MAI 2016

Approved by (name / date)

PreSens Precision Sensing GmbH Phone +49 941 94272 100
 Josef-Engert-Str. 11 Fax +49 941 94272 111
 93053 Regensburg info@PreSens.de
 Germany www.PreSens.de