

Certificate no: 4330\_4445\_00223450  
 Foil batch no: 2310M

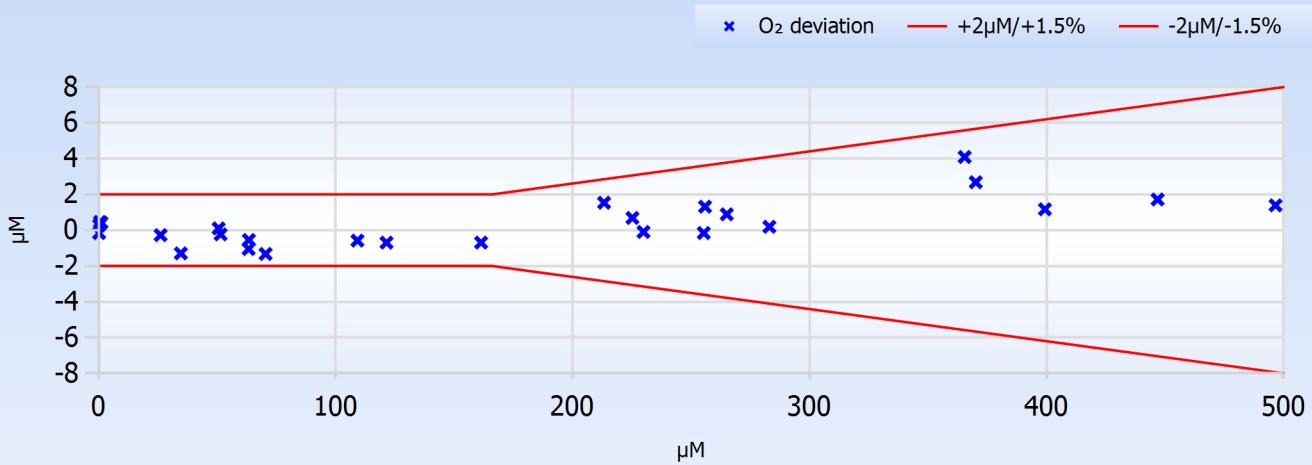
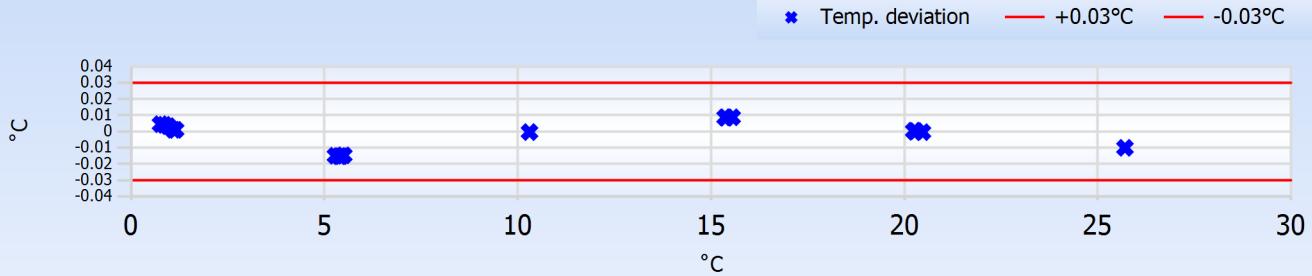
 Product: 4330 IW  
 Calibration date: 05.02.2024

 Serial no: 4445  
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Index	Temperature reference(°C)	[O2] Reference(µM)	Temperature raw data(mV)	Phase reading(°)
0	30.371	0.97	-47.833	60.05
1	20.351	0.56	276.327	60.93
2	10.267	0.29	598.707	61.70
3	0.882	0.23	872.047	62.36
4	0.975	19.36	869.513	59.67
5	1.189	37.01	863.700	57.43
6	1.289	57.20	860.953	55.13
7	1.303	103.91	860.580	50.61
8	1.336	137.38	859.673	47.97
9	1.344	205.84	859.467	43.50
10	1.349	314.61	859.340	38.34
11	1.347	398.38	859.373	35.50
12	1.341	496.99	859.567	32.83
13	10.672	14.94	586.187	58.89
14	10.419	29.94	594.000	56.17
15	10.325	45.91	596.873	53.68
16	10.275	77.43	598.433	49.54
17	10.271	114.13	598.567	45.64
18	10.256	160.34	599.007	41.83
19	10.259	239.86	598.913	36.98
20	10.250	318.71	599.207	33.53
21	10.251	400.00	599.160	30.88
22	20.529	11.80	270.507	57.92
23	20.346	24.29	276.480	54.78
24	20.322	39.22	277.273	51.63
25	20.257	62.27	279.353	47.63
26	20.250	90.03	279.607	43.76
27	20.242	132.48	279.867	39.27
28	20.237	192.24	280.000	34.87
29	20.242	256.20	279.853	31.50
30	20.245	321.40	279.787	28.98
31	30.327	9.64	-46.440	56.88
32	30.342	20.18	-46.927	53.40
33	30.351	31.66	-47.213	50.22
34	30.363	52.51	-47.567	45.56
35	30.371	74.22	-47.853	41.81
36	30.379	105.99	-48.087	37.66
37	30.382	159.46	-48.173	32.80
38	30.402	211.50	-48.793	29.67
39	30.408	266.16	-49.000	27.25

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Page 2 of 2**Giving these coefficients**

Index	0	1	2	3	4	5	6
SVUFoilCoef	2.84691E-03	1.20014E-04	2.55335E-06	1.72692E02	-2.03638E-01	-4.08142E01	3.50201E00
TempCoef	2.88607E01	-3.13928E-02	3.51356E-06	-4.93366E-09	0.00000E00	0.00000E00	

**Oxygen validation****Temperature validation****With following settings**

Index	0	1	2	3
PhaseCoef	-1.45000E00	1.00000E00	0.00000E00	0.00000E00

Index	0 (Offset)	1 (Slope)
ConcCoef	0.00000E00	1.00000E00
Salinity	0.00	

Firmware Version	5.3.1
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Date:05.02.2024

Tor-Ove Kvalvaag  
Tor-Ove Kvalvaag, Calibration Engineer

Certificate no:  
Oxygen Optode 4330\_4445\_223304**PRESSURE TEST CERTIFICATE**

Form No. 1001, Oct. 2022

Product: Oxygen Optode 4330IW  
Serial no: 4445  
Test Date: 30.01.2024

This is to certify that this product has been pressure tested:

Reference Equipment	Serial
Autoklav 800 bar	210005

**Pressure Cycle Test:**

Pressure (kPa)	Duration (Minutes)	Number of Cycles
30000	60	1

Pressure (kPa)	Duration (Minutes)
0	0

No irregularities were found during the test

Date: 30.01.2024

