

**Program Version: 04.09.2001** 

Product: Oxygen Optode 4831 Serial No: 675

## Visual and Mechanical Checks:

- Soldering quality
  - Visual surface
- Galvanic isolation between housing and electronics

Irren	Current Drain and Voltages:					
2.1	Average current drain at 0.5 Hz sampling (Max.: 33 mA)		23.0	mA		
2.2	CANBus Current drain at 0.5 Hz sampling (Max.: 33 mA)			mA		
2.3	Current drain in sleep (Max.: 180 µA)		216	Μ		
2.4	CANBus Current drain in sleep (Max.: 180 μA)			ΑŢ		
2.5	DSP IO voltage, J4.18 (3.3 ±0.15V)			. >		
5.6	DSP Core voltage, J4.17(1.8 ±0.05 V)		1.82	>		
2.7	Excitation driver voltage, C4 Analog Board (4.5 $\pm 0.15$ V)		4.31	>		
erforn	Performance test: Channel:	Blue		Red	_	
3.1	Average of Receiver readings (0±150mV)	-1.2	/m	-1.5	m\	
3.2	Standard Deviation of Receiver readings (Max.: 45mV/10mV)	1.78	/m	0.58	m \	
3.3	Amplitude measm. with non-fluorescence foil (<60mV/650-1200mV)	14.8	m\	1066.7	m >	
3.4	CANBus Output test					
unctic	Function test from 0 to 40°C:	Blue		Red	_	
4.1	4.1 Minimum amplitude measurement (Blue: >550 mV, Red >650 mV)	679.3	/m	801.6	m >	
4.2	Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)	1043.2	/m	1256.2	/m	
4.3	Minimum phase measurement (Blue: >24°, Red: >1°)	34.72	0	7.51	۰	
4.4	Maximum phase measurement (Blue: <34°, Red: <5°)	40.33	0	8.56	٥	
4.5	Maximum standard deviation of Phase measurement: (< 0.02°)	0.05	0	0.04	0	
4.6	Minimum temperature raw data measurement: (<-200 mV)			-506.2	m \	
4.7				619	Z N	

Pressure test:

5.1 Pressure (IW version: 20MPa, DW version 60MPa)

60MPa

Date: 23 Mar 2017

Vidar Selsvik, Production Engineer



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## CALIBRATION CERTIFICATE

Form No 830, Juli 2012

Certificate no: 4831\_675\_00128391 Foil batch no: 1517M

Product: 4831 Calibration date: 15.03.2017

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**SVUFoilCoef** TempCoef

1.12034E-04 2.68472E-03 2.42469E01

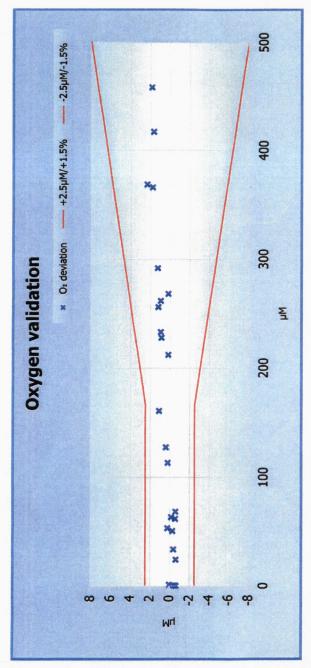
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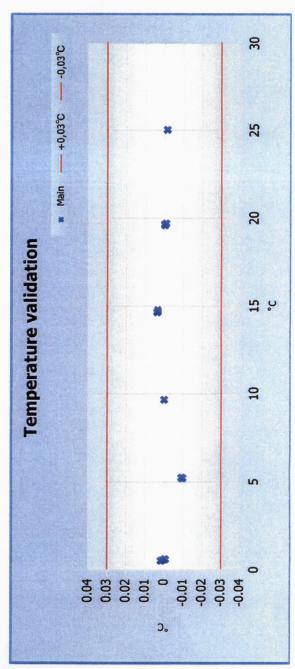
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-4.26981E-01 0.000000E00

-5.09191E01 0.000000E00







Date:15.03.2017

Tor-Ove Kvalvaag, Calibration Engineer or Ou Horlivas