

**Program Version:** V4.9.1

**Product:** Oxygen Optode 4330

**Serial No:** 2513

**Visual and Mechanical Checks:**

- 1.1 Soldering quality
- 1.2 Visual surface
- 1.3 Galvanic isolation between housing and electronics

**Current Drain and Voltages:**

2.1 Average current drain at 0.5 Hz sampling (Max.: 33 mA)	22.7	mA
2.2 CANBus Current drain at 0.5 Hz sampling (Max.: 33 mA)	22.2	mA
2.3 Current drain in sleep (Max.: 180 $\mu$ A)	117	$\mu$ A
2.4 CANBus Current drain in sleep (Max.: 180 $\mu$ A)	106	$\mu$ A
2.5 DSP IO voltage, J4.18 (3.3 $\pm$ 0.15V)	3.31	V
2.6 DSP Core voltage, J4.17(1.8 $\pm$ 0.05 V)	1.82	V
2.7 Excitation driver voltage, C4 Analog Board (4.5 $\pm$ 0.15 V)	4.33	V

**Performance test:**

	Channel:	Blue	Red
3.1 Average of Receiver readings (0 $\pm$ 150mV)		-4.6 mV	-4.6 mV
3.2 Standard Deviation of Receiver readings (Max.: 45mV/10mV)		2.15 mV	1.04 mV
3.3 Amplitude measm. with non-fluorescence foil (<60mV/650-1200mV)		12.5 mV	1059.6 mV
3.4 CANBus Output test			

**Function test from 0 to 40°C:**

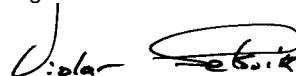
	Channel:	Blue	Red
4.1 Minimum amplitude measurement (Blue: >550 mV, Red >650 mV)		635.3 mV	794.1 mV
4.2 Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)		959 mV	1193.3 mV
4.3 Minimum phase measurement (Blue: >24°, Red: >1°)		36.55 °	7.9 °
4.4 Maximum phase measurement (Blue: <34°, Red: <5°)		43.3 °	8.37 °
4.5 Maximum standard deviation of Phase measurement: (< 0.02°)		0.03 °	0.02 °
4.6 Minimum temperature raw data measurement: (<-200 mV)			-452.7 mV
4.7 Maximum temperature raw data measurement: (>450 mV)			666.2 mV

**Pressure test :**

5.1 Pressure (IW version: 20MPa, DW version 60MPa)	60MPa
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Date: 25 Jan 2016

Sign:



Vidar Selsvik, Production Engineer