Program Version: V4.9.1

Product: Oxygen Optode 4330
Serial No: 2520

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)	23.1	mA
2.2	CANBus Current drain at 0.5 Hz sampling (Max.: 33 mA)	22.1	mA
2.3	Current drain in sleep (Max.: 180 µA)	118	µA
2.4	CANBus Current drain in sleep (Max.: 180 µA)	109	µA
2.5	DSP IO voltage, J4.18 (3.3 ±0.15V)	3.29	V
2.6	DSP Core voltage, J4.17(1.8 ±0.05 V)	1.81	V
2.7	Excitation driver voltage, C4 Analog Board (4.5 ±0.15 V)	4.30	V

Performance test:

		Channel:	Blue		Red	
3.1	Average of Receiver readings (0±150mV)		5.2	mV	0.8	mV
3.2	Standard Deviation of Receiver readings (Max.: 45mV/10mV)		2.49	mV	1.56	mV
3.3	Amplitude measm. with non-fluorescence foil (<60mV/650-1200mV)		12.1	mV	880.7	mV
3.4	CANBus Output test					

Function test from 0 to 40°C:

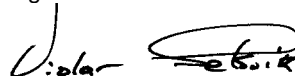|		Channel:	Blue		Red	
4.1	Minimum amplitude measurement (Blue: >550 mV, Red >650 mV)		832.8	mV	690.7	mV
4.2	Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)		1284.3	mV	1037.5	mV
4.3	Minimum phase measurement (Blue: >24°, Red: >1°)		35.5	°	9.26	°
4.4	Maximum phase measurement (Blue: <34°, Red: <5°)		42.04	°	9.74	°
4.5	Maximum standard deviation of Phase measurement: (< 0.02°)		0.03	°	0.02	°
4.6	Minimum temperature raw data measurement: (<-200 mV)				-337.3	mV
4.7	Maximum temperature raw data measurement: (>450 mV)				757.4	mV

Pressure test :

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

Date: 25 Jan 2016

Sign:

Vidar Selsvik, Production Engineer