

Program Version: V4.9.1

Product: Oxygen Optode 4330F

Serial No: 2766

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)	22.6	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 μ A)	116	μ A
2.4 CANBus Current drain in sleep (Max.: 180 μ A)	107	μ A
2.5 DSP IO voltage, J4.18 (3.3 ± 0.15 V)	3.28	V
2.6 DSP Core voltage, J4.17 (1.8 ± 0.05 V)	1.80	V
2.7 Excitation driver voltage, C4 Analog Board (4.5 ± 0.15 V)	4.35	V

Performance test:

	Channel:	Blue	Red
3.1 Average of Receiver readings (0 ± 150 mV)		-7.4 mV	-3.7 mV
3.2 Standard Deviation of Receiver readings (Max.: 45mV/10mV)		11.46 mV	1.24 mV
3.3 Amplitude measm. with non-fluorescence foil (<60mV/650-1200mV)		47.4 mV	2020.7 mV
3.4 CANBus Output test			

Function test from 0 to 40°C:

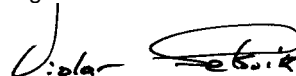
	Channel:	Blue	Red
4.1 Minimum amplitude measurement (Blue: >550 mV, Red >650 mV)		753 mV	748.8 mV
4.2 Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)		1202.2 mV	1245 mV
4.3 Minimum phase measurement (Blue: >24°, Red: >1°)		33.99 °	8.17 °
4.4 Maximum phase measurement (Blue: <34°, Red: <5°)		40.83 °	8.65 °
4.5 Maximum standard deviation of Phase measurement: (< 0.02°)		0.05 °	0.02 °
4.6 Minimum temperature raw data measurement: (<-200 mV)			-417.3 mV
4.7 Maximum temperature raw data measurement: (>450 mV)			735.8 mV

Pressure test :

5.1 Pressure (IW version: 20MPa, DW version 60MPa)	MPa
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Date: 12 Jan 2017

Sign:



Vidar Selsvik, Production Engineer