

Program Version:

Product: Oxygen Optode 4330F

Serial No: 3157

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)	22.8	mA
2.2	CANBus Current drain at 0.5 Hz sampling (Max.: 33 mA)	21.8	mA
2.3	Current drain in sleep (Max.: 270 μ A)	114	μ A
2.4	CANBus Current drain in sleep (Max.: 180 μ A)	108	μ A
2.5	DSP IO voltage, J4.18 (3.3 ± 0.15 V)	3.29	V
2.6	DSP Core voltage, J4.17 (1.8 ± 0.05 V)	1.82	V
2.7	Excitation driver voltage, C4 Analog Board (4.3 ± 0.1 V)	4.28	V

Performance test:

	Channel:	Blue	Red
3.1	Average of Receiver readings (0 ± 150 mV)	-10.8 mV	-4.8 mV
3.2	Standard Deviation of Receiver readings (Max.: 45mV/10mV)	3.80 mV	0.36 mV
3.3	Amplitude measm. with non-fluorescence foil (<60mV/650-1200mV)	11.7 mV	908.2 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)	670.7 mV	698.1 mV
4.2	Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)	1027.7 mV	1109.1 mV
4.3	Minimum phase measurement (Blue: >32°, Red: >3°)	35.68 °	7.93 °
4.4	Maximum phase measurement (Blue: <45°, Red: <10°)	42.08 °	8.73 °
4.5	Maximum standard deviation of Phase measurement: (< 0.05°)	0.02 °	0.02 °
4.6	Minimum temperature raw data measurement: (<-200 mV)		-382.7 mV
4.7	Maximum temperature raw data measurement: (>450 mV)		750.1 mV

Pressure test :

5.1	Pressure (IW version: 20MPa, DW version 60MPa)	60MPa
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Date: 07 Feb 2019

Sign:

Laila A. Skålnes

Laila Skålnes, Production Engineer