Program Version: V5.1.1

Product: Oxygen Optode 4330
Serial No: 3594

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)	21.4	mA
2.3	Current drain in sleep (Max.: 270 µA)	134	µA
2.4	CANBus Current drain in sleep (Max.: 180 µA)	127	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)	1.80	V
2.7	Excitation driver voltage, C4 Analog Board (4.3 ±0.1 V)	4.33	V

Performance test:

		Channel:	Blue		Red	
3.1	Average of Receiver readings (0±150mV)		-3.5	mV	-1.5	mV
3.2	Standard Deviation of Receiver readings (Max.: 45mV/10mV)		1.83	mV	0.37	mV
3.3	Amplitude measurement with non-fluorescence foil (<60mV/650-1200mV)		9.5	mV	835.2	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 >550 mV)		766.4	mV	666.3	mV
4.2	Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)		1208.4	mV	1013.6	mV
4.3	Minimum phase measurement (Blue: >32°, Red: >3°)		33.6	°	6.63	°
4.4	Maximum phase measurement (Blue: <45°, Red: <10°)		39.62	°	8	°
4.5	Maximum standard deviation of Phase measurement: (< 0.07°)		0.06	°	0.04	°
4.6	Minimum temperature raw data measurement: (<-200 mV)				-430.6	mV
4.7	Maximum temperature raw data measurement: (>450 mV)				740.2	mV

Date: 08 Jan 2021

Sign:

Laila A. Skålnes

Laila Skålnes, Production Engineer