

Program Version: 5.3.1**Product:** Oxygen Optode 4330IW**Serial No:** 4445**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)	22.9	mA
2.2 CANBus Current drain at 0.5 Hz sampling (Max.: 33 mA)	21.6	mA
2.3 Current drain in sleep (Max.: 270 µA)	113	µA
2.4 CANBus Current drain in sleep (Max.: 180 µA)	101	µA
2.5 DSP IO voltage, J4.18 (3.3 ±0.15V)	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 (4.3 ±0.1 V)	4.30	V

Performance test:

	Channel:	Blue	Red
3.1 Average of Receiver readings (0±150mV)		1.9	mV
3.2 Standard Deviation of Receiver readings (Max.: 45mV/10mV)		2.54	mV
3.3 Amplitude measurement with non-fluorescence foil (<60mV/650-1200mV)		15.3	mV
3.4 CANBus Output test		846.2	mV

Function test from 0 to 40°C:

	Channel:	Blue	Red
4.1 Minimum amplitude measurement (Blue: >550 mV, Red >550 mV)		679.2	mV
4.2 Maximum amplitude measurement (Blue: <1600 mV, Red <1400 mV)		1077.7	mV
4.3 Minimum phase measurement (Blue: >32°, Red: >3°)		34.45	°
4.4 Maximum phase measurement (Blue: <45°, Red: <10°)		41.99	°
4.5 Maximum standard deviation of Phase measurement: (< 0.07°)		0.03	°
4.6 Minimum temperature raw data measurement: (<-200 mV)			-400.6 mV
4.7 Maximum temperature raw data measurement: (>450 mV)			809.3 mV

Date: 31 Jan 2024

Sign:

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