



a xylem brand

Sensing Foil Batch No: 1206
Certificate No:

CALIBRATION CERTIFICATE

Form No. 710, Nov 2013

Product: Oxygen Optode 4831
Serial No: 459
Calibration Date: 03 Feb 2015

This is to certify that this product has been calibrated using the following instruments:

Parameter: Internal Temperature:

Calibration points and readings:

Temperature (°C)	1.00	11.97	24.01	35.99
Reading (mV)	631.96	283.87	-102.82	-453.31

Giving these coefficients

Index	0	1	2	3	4	5
TempCoef	2.07420E01	-3.14054E-02	2.98919E-06	-4.30751E-09	0.00000E00	0.00000E00

Parameter: Oxygen:

	O2 Concentration	Air Saturation
Range:	0-500 µM ¹⁾	0 - 120%
Accuracy ¹⁾ :	< ±8µM or ±5% (whichever is greater)	±5%
Resolution:	< 1 µM	< 0.4%
Settling Time (63%):	< 25 seconds	

Calibration points and readings²⁾:

	Air Saturated Water	Zero Solution (Na ₂ SO ₃)
Phase reading (°)	3.16638E+01	6.24075E+01
Temperature reading (°C)	9.90539E+00	2.08290E+01
Air Pressure (hPa)	9.67083E+02	

Giving these coefficients

Index	0	1	2	3
PhaseCoef	-1.88000E-01	1.00000E00	0.00000E00	0.00000E00
ConcCoef	-3.35477E-01	1.00874E00		

¹⁾ Valid for 0 to 2000m (6562ft) depth, salinity 33 - 37ppt

²⁾ The calibration is performed in fresh water and the salinity setting is set to: 0

Date: 04 Feb 2015

Sign:

Tor-Ove Kvalvaag, Calibration Engineer