



a xylem brand

Sensing Foil Batch No: 1206
Certificate No:

CALIBRATION CERTIFICATE

Form No. 710, Nov 2013

Product: Oxygen Optode 4831
Serial No: 458
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)	809.42	481.99	96.31	-272.95

Giving these coefficients

Index	0	1	2	3	4	5
TempCoef	2.70333E01	-3.16683E-02	3.02380E-06	-4.48771E-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 (°)	3.19376E+01	6.27787E+01
Temperature reading (°C)	9.89849E+00	2.08063E+01
Air Pressure (hPa)	9.67083E+02	

Giving these coefficients

Index	0	1	2	3
PhaseCoef	-4.69000E-01	1.00000E00	0.00000E00	0.00000E00
ConcCoef	-1.67811E-01	1.00748E00		

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