



a xylem brand

CALIBRATION CERTIFICATE

Form No. 710, Nov 2013

Sensing Foil Batch No: 1206
Certificate No:

Product: Oxygen Optode 4330
Serial No: 2132
Calibration Date: 23 Apr 2015

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

Parameter: Internal Temperature:

Calibration points and readings:

| | | | | |
|------------------|--------|--------|-------|---------|
| Temperature (°C) | 0.95 | 11.89 | 23.85 | 35.88 |
| Reading (mV) | 788.62 | 451.21 | 58.22 | -317.66 |

Giving these coefficients

| | | | | | | |
|----------|------------|--------------|-------------|--------------|------------|------------|
| Index | 0 | 1 | 2 | 3 | 4 | 5 |
| TempCoef | 2.56383E01 | -3.08806E-02 | 2.86549E-06 | -4.32258E-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 (°) | 3.19265E+01 | 6.26536E+01 |
| Temperature reading (°C) | 9.89870E+00 | 2.10034E+01 |
| Air Pressure (hPa) | 9.55302E+02 | |

Giving these coefficients

| | | | | |
|-----------|-------------|------------|------------|------------|
| Index | 0 | 1 | 2 | 3 |
| PhaseCoef | 0.00000E00 | 1.00000E00 | 0.00000E00 | 0.00000E00 |
| ConcCoef | 6.27814E-01 | 1.03213E00 | | |

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: 23 Apr 2015

Sign:

Tor-Ove Kvalvaag, Calibration Engineer