



# SEA-BIRD ELECTRONICS, INC.

1808 - 136th Place Northeast, Bellevue, Washington 98005 USA

Phone: (425) 643-9866 Fax: (425) 643-9954 www.seabird.com

## Conductivity Calibration Report

Customer:	Communications Technology SRL		
Job Number:	31563	Date of Report:	4/2/2003
Model Number	SBE 16-04	Serial Number:	161148-2326

Conductivity sensors are normally calibrated 'as received', without cleaning or adjustments, allowing a determination of sensor drift. If the calibration identifies a problem or indicates cell cleaning is necessary, then a second calibration is performed after work is completed. The 'as received' calibration is not performed if the sensor is damaged or non-functional, or by customer request.

An 'as received' calibration certificate is provided, listing the coefficients used to convert sensor frequency to conductivity. Users must choose whether the 'as received' calibration or the previous calibration better represents the sensor condition during deployment. In SEASOFT enter the chosen coefficients using the program SEACON. The coefficient 'slope' allows small corrections for drift between calibrations (consult the SEASOFT manual). Calibration coefficients obtained after a repair or cleaning apply only to subsequent data.

### 'AS RECEIVED CALIBRATION'

Performed  Not Performed

Date: 4/1/2003

Drift since last cal: -00010 PSU/month\*

Comments:

### 'CALIBRATION AFTER CLEANING & REPLATINIZING'

Performed  Not Performed

Date:

Drift since Last cal:  PSU/month\*

Comments:

\*Measured at 3.0 S/m

Cell cleaning and electrode replatinizing tend to 'reset' the conductivity sensor to its original condition. Lack of drift in post-cleaning-calibration indicates geometric stability of the cell and electrical stability of the sensor circuit.



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## Temperature Calibration Report

Customer:	Communications Technology SRL		
Job Number:	31563	Date of Report:	4/2/2003
Model Number:	SBE 16-04	Serial Number:	161148-2326

*Temperature sensors are normally calibrated 'as received', without adjustments, allowing a determination sensor drift. If the calibration identifies a problem, then a second calibration is performed after work is completed. The 'as received' calibration is not performed if the sensor is damaged or non-functional, or by customer request.*

*An 'as received' calibration certificate is provided, listing coefficients to convert sensor frequency to temperature. Users must choose whether the 'as received' calibration or the previous calibration better represents the sensor condition during deployment. In SEASOFT enter the chosen coefficients using the program SEACON. The coefficient 'offset' allows a small correction for drift between calibrations (consult the SEASOFT manual). Calibration coefficients obtained after a repair apply only to subsequent data.*

'AS RECEIVED CALIBRATION'  Performed  Not Performed

Date:  Drift since last cal:  Degrees Celsius/year

Comments:

'CALIBRATION AFTER REPAIR'  Performed  Not Performed

Date:  Drift since Last cal:  Degrees Celsius/year

Comments: