

# All Application Notes

<u>Doc No.</u>	<u>Title</u>	<u>Topic</u>	<u>Sensor</u>	<u>Date</u>
02D	<a href="#">AN02D: Instructions for Care and Cleaning of Conductivity Cells</a>	Care of Instrument / Maintenance	conductivity	March 10, 2014
06	<a href="#">AN06: Determination of Sound Velocity from CTD Data</a>	Technical Background Information	CTD	February 2, 2010
07	<a href="#">AN07: Calculating Calibration Coefficients for Sea Tech and Chelsea (Alphatracka) Transmissometers</a>	Calibration	Optics	May 7, 2011
08	<a href="#">AN08: Sea-Bird Universal Opto-isolated Junction Box</a>	Instrument Configuration and Use		March 7, 2008
09	<a href="#">AN09: Calculating Calibration Coefficients for Sea Tech Fluorometer &amp; WET Labs Flash Lamp Fluorometer (FLF)</a>	Calibration	Optics	September 1, 2008
10	<a href="#">AN10: Compressibility Compensation of Sea-Bird Conductivity Sensors</a>	Technical Background Information	conductivity	May 7, 2013
11Chelsea	<a href="#">AN11Chelsea: Calculating Calibration Coefficients for Chelsea PAR Light Sensor with Built-In Log Amplifier</a>	Calibration	Optics	October 1, 2012
11General	<a href="#">AN11General: PAR Light Sensors</a>	Calibration	Optics	February 1, 2011
11LICOR	<a href="#">AN11Licor: Calculating Calibration Coefficients for Licor Underwater Type SA PAR Light Sensor without Built-In Log Amplifier</a>	Calibration	Optics	October 9, 2012
11QSP-L	<a href="#">AN11QSP-L: Calculating Calibration Coefficients for Biospherical PAR Sensor with Built-In Log Amplifier</a>	Calibration	Optics	October 1, 2012
11QSP-PD	<a href="#">AN11QSP-PD: Calculating Calibration Coefficients for Biospherical PAR Sensor without Built-In Log Amplifier</a>	Calibration	Optics	October 1, 2012
11S	<a href="#">AN11S: Using Biospherical Surface PAR Light Sensor with SBE 11plus Deck Unit</a>	Instrument Configuration and Use	Optics	February 9, 2010
12-1	<a href="#">AN12-1: Pressure Port Oil Refill Procedure and Nylon Capillary Fitting Replacement</a>	Care of Instrument / Maintenance	Pressure	September 12, 2008
14	<a href="#">AN14: 1978 Practical Salinity Scale</a>	Technical Background Information	CTD	January 12, 1989

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15	<a href="#"><u>AN15: TC Duct Assembly &amp; Plumbing Installation</u></a>	Instrument Configuration and Use	CTD	October 12, 2012
16	<a href="#"><u>AN16: Entering Calibration Coefficients for D&amp;A Instruments (Campbell Scientific) OBS-3 Optical Backscatter Sensor</u></a>	Calibration	Optics	September 18, 2014
17	<a href="#"><u>AN17: Instructions for Use of the SBE 14 Remote Depth Readout</u></a>	Instrument Configuration and Use		October 1, 2012
18-1	<a href="#"><u>AN18-1: SBE 18, 27, and 30, &amp; AMT pH Sensor Calibration (PHFIT Version 2.1)</u></a>	Calibration	pH	September 18, 2014
18-2	<a href="#"><u>AN18-2: SBE 18, 22, 27, and 30 pH Sensor Storage, Maintenance, and Calibration</u></a>	Calibration	pH	September 18, 2014
18-3	<a href="#"><u>AN18-3: SBE 18 pH Sensor Hookup Instructions</u></a>	Instrument Configuration and Use	pH	July 12, 2001
19	<a href="#"><u>AN19: SBE 27 or 30 Oxygen Reduction Potential ORP Sensor</u></a>	Calibration	ORP	February 13, 2010
20	<a href="#"><u>AN20: Re-calibration of Paroscientific Digiquartz Pressure Sensors</u></a>	Calibration	Pressure	June 13, 1989
21	<a href="#"><u>AN21: Instructions for Use of Nickel-Cadmium Battery Packs</u></a>	Instrument Configuration and Use	CTD	February 13, 2010
22	<a href="#"><u>AN22: Pump Speed Adjustment Instructions</u></a>		Pump	March 13, 1991
27	<a href="#"><u>AN27: Strain Gauge Pressure Sensor Error Sources - older instruments with Paine pressure sensors</u></a>	Technical Background Information	Pressure	February 13, 2010
27Druck	<a href="#"><u>AN27D: Minimizing Strain Gauge Pressure Sensor Errors</u></a>	Technical Background Information	Pressure	February 13, 2014
30	<a href="#"><u>AN30: Fresh Water Conductivity Measurements using the SBE 19 (not 19plus) SeaCAT Profiler</u></a>	Instrument Configuration and Use	CTD	March 25, 2001
31	<a href="#"><u>AN31: Computing Temperature and Conductivity Slope and Offset Correction Coefficients from Laboratory Calibrations and Salinity Bottle Samples</u></a>	Calibration	CTD	February 22, 2010
33	<a href="#"><u>AN33: Using the DC Opto Isolated Junction Box [PN 91118]</u></a>	Instrument Configuration and Use		March 3, 2001
34	<a href="#"><u>AN34: Instructions for Use of Conductivity Cell Filling and Storage Device PN 50087 and 50087.1</u></a>	Care of Instrument / Maintenance	conductivity	October 13, 2012

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35	<a href="#"><u>AN35: Use of SBE 911plus with General Oceanics 1015 Rosette®</u></a>	Instrument Configuration and Use	Water Sampler	February 13, 1992
36A	<a href="#"><u>AN36A: Installation of P/N 50094 Conductivity Cell Tubing Connector Kit</u></a>	Care of Instrument / Maintenance	conductivity	April 13, 1998
38	<a href="#"><u>AN38: TC Duct Fundamentals</u></a>	Technical Background Information	CTD	July 10, 2012
39	<a href="#"><u>AN39: Calculating Calibration Coefficients for the Chelsea Aquatracka Fluorometer</u></a>	Calibration	Optics	February 24, 2010
40	<a href="#"><u>AN40: SBE 5T and 5P Pump Speed Adjustment Instructions</u></a>	Instrument Configuration and Use	Pump	September 15, 2011
41	<a href="#"><u>AN41: Calculating Calibration Coefficients for WET Labs WETStar Fluorometer</u></a>	Calibration	Optics	May 13, 2011
42	<a href="#"><u>AN42: ITS-90 Temperature Scale</u></a>	Technical Background Information	Temperature	February 13, 2014
43	<a href="#"><u>AN43: Universal Ni-Cad Battery Charger Operating Instructions</u></a>	Instrument Configuration and Use	CTD	January 13, 1995
45	<a href="#"><u>AN45: Guide to SBE 32 Carousel Water Sampler Configuration Selections</u></a>	Instrument Configuration and Use	Water Sampler	September 16, 2014
46	<a href="#"><u>AN46: DC Opto-Isolated RS-485 to RS-232 Junction Box P/N 90238 Instructions for Application and Use</u></a>	Instrument Configuration and Use		March 13, 2001
47	<a href="#"><u>AN47: Using Biospherical Surface PAR Light Sensor with SBE 33 or SBE 36 Deck Unit</u></a>	Instrument Configuration and Use	Optics	February 21, 2014
48	<a href="#"><u>AN48: Entering Calibration Coefficients for the Seapoint Turbidity Meter</u></a>	Calibration	Optics	December 9, 2013
51	<a href="#"><u>AN51: Using a TC Duct on Pumped SBE 19 (NOT 19plus) SeaCATs</u></a>	Instrument Configuration and Use	CTD	March 17, 2001
52	<a href="#"><u>AN52: AC Powered Opto-Isolated RS-485 to RS-232 Junction Box P/N 80491 Instructions for Application and Use</u></a>	Instrument Configuration and Use		February 9, 2010
53	<a href="#"><u>AN53: Instructions and use of Bay Model Sensors</u></a>	Instrument Configuration and Use		January 13, 1999
54	<a href="#"><u>AN54: Entering Calibration Coefficients for the Seapoint Fluorometer</u></a>	Calibration	Optics	February 13, 2010

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56	<a href="#"><u>AN56: Interfacing to RS-485 Sensors</u></a>	Instrument Configuration and Use		February 11, 2009
57	<a href="#"><u>AN57: Connector Care and Cable Installation</u></a>	Care of Instrument / Maintenance		May 13, 2014
59	<a href="#"><u>AN59: A Load-Bearing Underwater Cable for Hand-Hauled, Real-Time Profiling</u></a>	Instrument Configuration and Use		October 11, 2012
60	<a href="#"><u>AN60: Year 2000 Compatibility for Sea-Bird Instruments and Software</u></a>	Technical Background Information		September 16, 2014
61	<a href="#"><u>AN61: Calculating Calibration Coefficients for the Chelsea Minitracka Fluorometer</u></a>	Calibration	Optics	February 2, 2010
62	<a href="#"><u>AN62: Calculating Calibration Coefficients for WET Labs ECO-AFL and ECO-FL Fluorometer, ECO-NTU Turbidity Meter, and ECO-FL-NTU Fluorometer/Turbidity Meter</u></a>	Calibration	Optics	May 14, 2011
63	<a href="#"><u>AN63: Calculating Calibration Coefficients for the Turner SCUFA (I, II, or III) Fluorometer/OBS</u></a>	Calibration	Optics	February 2, 2010
64	<a href="#"><u>AN64: SBE 43 Dissolved Oxygen Sensor - Background Information, Deployment Recommendations, and Cleaning and Storage</u></a>	Care of Instrument / Maintenance	Dissolved Oxygen	June 16, 2013
64-1	<a href="#"><u>AN64-1: Plumbing Installation - SBE 43 DO Sensor and Pump on a CTD</u></a>	Instrument Configuration and Use	Dissolved Oxygen	April 16, 2008
64-2	<a href="#"><u>AN64-2: SBE 43 Dissolved Oxygen Sensor Calibration and Data Corrections</u></a>	Calibration	Dissolved Oxygen	June 19, 2012
64-3	<a href="#"><u>AN64-3: SBE 43 Dissolved Oxygen (DO) Sensor - Hysteresis Corrections</u></a>	Instrument Configuration and Use	Dissolved Oxygen	August 1, 2014
66	<a href="#"><u>AN66: Routine Maintenance for the SBE 32 Carousel Water Sampler</u></a>	Care of Instrument / Maintenance	Water Sampler	April 16, 2013
67	<a href="#"><u>AN67: Editing Sea-Bird .hex Data Files</u></a>	Technical Background Information		October 15, 2001
68	<a href="#"><u>AN68: Using USB Ports to Communicate with Sea-Bird Instruments</u></a>	Technical Background Information		October 19, 2012
69	<a href="#"><u>AN69: Conversion of Pressure to Depth</u></a>	Technical	Pressure	July 1, 2002

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		Background Information		
70	<a href="#"><u>AN70: Installing Anti-Foulant Device Mount Kit on SBE 4, 16, 19, and 21 Conductivity Cells</u></a>	Care of Instrument / Maintenance	conductivity	May 19, 2008
71	<a href="#"><u>AN71: Desiccant Use and Regeneration (drying)</u></a>	Care of Instrument / Maintenance		January 15, 2014
72	<a href="#"><u>AN72: Setting Up WET Labs ECO Sensor with Bio-Wiper™ for integration with SeaCATplus CTDs (SBE 16plus, 16plus-IM, 19plus)</u></a>	Instrument Configuration and Use	Optics	May 15, 2013
72V	<a href="#"><u>AN72-V2: Setting Up WET Labs ECO Sensor with Bio-Wiper™ for integration with SeaCATplus V2 CTDs (SBE 16plus V2, 16plus-IM V2, 19plus V2)</u></a>	Instrument Configuration and Use	Optics	April 15, 2014
73	<a href="#"><u>AN73: Using Instruments with Pressure Sensors at Elevations Above Sea Level</u></a>	Instrument Configuration and Use	Pressure	February 28, 2014
74	<a href="#"><u>AN74: Calculating Calibration Coefficients for Turner Cyclops-7 Fluorometer or Turbidity Sensor</u></a>	Calibration	Optics	August 8, 2010
75	<a href="#"><u>AN75: Maintenance of SBE 5T, 5P, and 5M Pumps</u></a>	Care of Instrument / Maintenance	Pump	December 12, 2012
76	<a href="#"><u>AN76: pH or pH/ORP Sensors and Moored Applications</u></a>	Instrument Configuration and Use	pH	March 5, 2008
77	<a href="#"><u>AN77: Entering Calibration Coefficients for the Seapoint Ultraviolet Fluorometer</u></a>	Calibration	Optics	August 8, 2010
78	<a href="#"><u>AN78: Inductive Modem Module (IMM) Quick Start Instructions</u></a>	Instrument Configuration and Use		September 25, 2005
79	<a href="#"><u>AN79: Configuring Inductive Modem Module (IMM) for Logic Level Serial (LLS)</u></a>	Instrument Configuration and Use		September 9, 2005
80	<a href="#"><u>AN80: Inductive Modem (IM) Communication between Two Inductive Modem Modules (IMMs)</u></a>	Instrument Configuration and Use		September 14, 2005
81	<a href="#"><u>AN81: Entering Calibration Coefficients for Campbell Scientific/D&amp;A OBS-3+ Optical Backscatter Sensor</u></a>	Calibration	Optics	October 15, 2010
82	<a href="#"><u>AN82: Guide to Specifying a CTD</u></a>	Technical Background	CTD	October 10, 2005

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83	<a href="#">AN83: Deployment of Moored Instruments</a>	Information Technical Background Information	CTD	February 14, 2014
84	<a href="#">AN84: Using Instruments with Druck Pressure Sensors in Muddy or Biologically Productive Environments</a>	Instrument Configuration and Use	Pressure	January 14, 2014
85	<a href="#">AN85: Handling of Ferrite Core on Instruments with Inductive Modem Telemetry</a>	Care of Instrument / Maintenance		October 15, 2012
86	<a href="#">AN86: Change to SBE 9plus CTD Bottom Contact Switch Connector (JB6)</a>	Instrument Configuration and Use	CTD	February 14, 2007
87	<a href="#">AN87: Calculating Calibration Coefficients for WET Labs ECO-BB Scattering/Turbidity Meter (voltage or RS-232 output sensor)</a>	Calibration	Optics	May 11, 2011
88	<a href="#">AN88: Frame Coating Repair for the SBE 32 Carousel Water Sampler</a>	Care of Instrument / Maintenance	Water Sampler	October 31, 2012
89	<a href="#">AN89: Retrofit Battery Pack for SBE 37 MicroCAT and SBE 44 Underwater Inductive Modem</a>	Care of Instrument / Maintenance	CTD	September 16, 2014
90	<a href="#">AN90: Absolute Salinity and TEOS-10: Sea-Bird's Implementation</a>	Technical Background Information	CTD	September 3, 2013
91	<a href="#">AN91: Calculating Calibration Coefficients for WET Labs C-Star Transmissometer (voltage or RS-232 output sensor)</a>	Calibration	Optics	May 12, 2011
92	<a href="#">AN92: Real-Time Oceanography with Inductive Moorings and the Inductive Modem Module (IMM)</a>	Technical Background Information		December 24, 2013
93	<a href="#">AN93: CTD Basics</a>	Technical Background Information	CTD	December 13, 2013
94	<a href="#">AN94: Wide-Range Conductivity Calibration</a>	Calibration	conductivity	June 4, 2013
95	<a href="#">AN95: Setting Up Teledyne Benthos Altimeter with Sea-Bird Profiling CTD</a>	Instrument Configuration and Use	Altimeter	January 12, 2014