

SBE 56 ECO Temperature Logger

Instrument Configuration

Instrument Serial Number: 56-04612
Instrument Firmware Version: 0.96
Communications Format: RS232

Installed Devices/Sensors

Data Format	Measurement	Sensor Type	Serial Number	Rating
Count	Temperature	Internal	N/A	N/A

Maximum Depth: 1500m

CAUTION - The maximum deployment depth will be limited by the measurement range of the pressure sensor, if installed, an attached sensor, if installed, or the housing.

Support Telephone: (+1)425-643-9866 Support Email: seabird@seabird.com

Sea-Bird Electronics, Inc.

13431 NE 20th Street, Bellevue, WA 98005-2010 USA

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

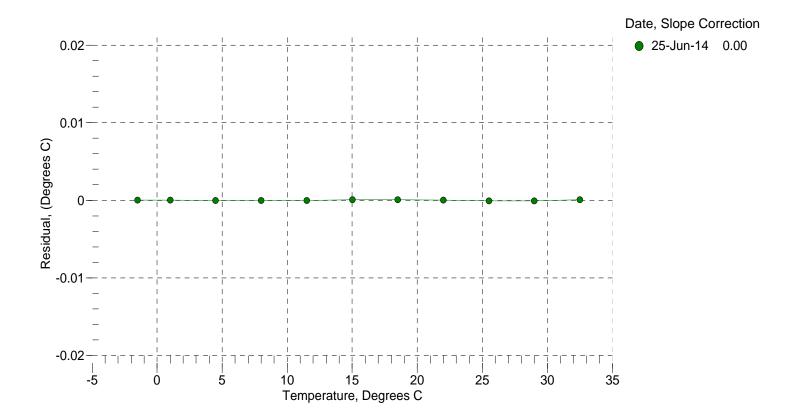
SENSOR SERIAL NUMBER: 04612 CALIBRATION DATE: 25-Jun-14 SBE 56 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.174229e-003 a1 = 3.335737e-004 a2 = -5.822202e-006 a3 = 1.876178e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	20115150.1	-1.5000	0.0000
1.0000	17962075.4	1.0000	0.0000
4.5000	15374199.3	4.5000	-0.0000
8.0000	13202923.7	8.0000	-0.0000
11.5000	11374893.2	11.5000	-0.0000
15.0000	9830680.3	15.0001	0.0001
18.5000	8522054.8	18.5001	0.0001
22.0000	7409537.5	22.0000	0.0000
25.5001	6460792.7	25.5000	-0.0001
29.0001	5649305.5	29.0000	-0.0001
32.5000	4953196.0	32.5001	0.0001

Temperature ITS-90 = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$ (°C) Residual = instrument temperature - bath temperature n = instrument output





Sea-Bird Electronics, Inc.

13431 NE 20th St. Bellevue, Washington 98005 USA www.seabird.com

Phone: (425) 643-9866 Fax: (425) 643-9954

Email: seabird@seabird.com

Pressure Test Certificate

Test Date: 06/14/14 Description: SBE-56 Temperature Sensor

Sensor Information:

Model Number: 56

Serial Number: **04612**

Pressure Test Protocol:

Low Pressure Test: 40 PSI Held For: 15 Minutes

High Pressure Test: 2300 PSI Held For: 15 Minutes

Passed Test: Yes

Pressure

Pressure

Typical Test Profile

High pressure is generally equal to the maximum depth rating of the instrument

Typical Test Profile