

SBE 56 ECO Temperature Logger

Instrument Configuration

Instrument Serial Number: 56-04739
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.

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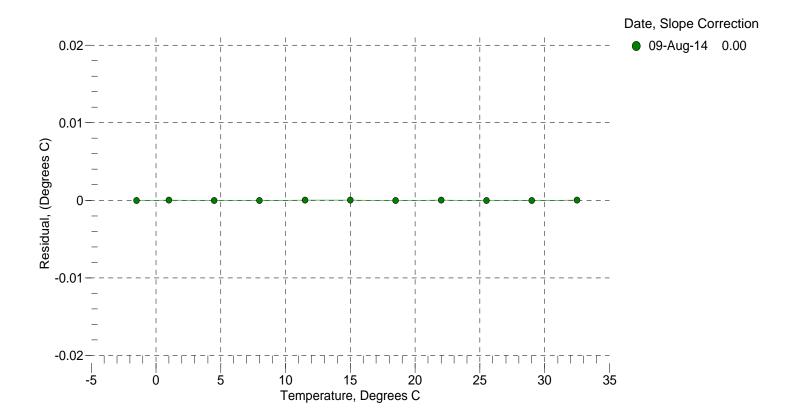
SENSOR SERIAL NUMBER: 04739 CALIBRATION DATE: 09-Aug-14 SBE 56 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.136190e-003 a1 = 3.305572e-004 a2 = -5.732002e-006 a3 = 1.841888e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	20355228.0	-1.5000	-0.0000
1.0000	18156800.0	1.0000	0.0000
4.5000	15517869.5	4.5000	-0.0000
8.0000	13306950.4	8.0000	-0.0000
11.5000	11448272.7	11.5000	0.0000
15.0000	9880440.6	15.0000	0.0000
18.5000	8553590.8	18.5000	-0.0000
22.0000	7427069.5	22.0000	0.0000
25.5000	6467706.5	25.5000	-0.0000
29.0000	5648191.0	29.0000	-0.0000
32.5000	4946070.3	32.5000	0.0000

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





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Pressure Test Certificate

Test Date: 08/04/14 Description: SBE-56 Temperature Sensor

Sensor Information:

Model Number: 56

Serial Number: 04739

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

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

Time

Typical Test Profile