

RBR Conductivity Calibration Certificate

RBRconcerto C.T.D.FI s/n: 66030

References: Autosal8400B#66289, MS-315#15506, SSW P159, RC#002

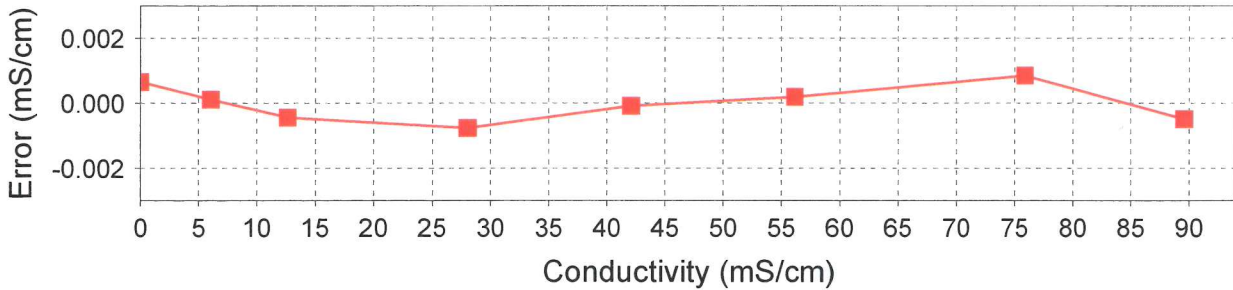
Reference Resistance (ohm)	Reference Conductivity (mS/cm)	Voltage Ratio, V	Measured Conductivity (mS/cm)	Calibration Error (mS/cm)	Coefficients
open	0.0000	-0.000005	0.0007	0.0007	C0: 0.0015
694.020	6.0711	0.039237	6.0712	0.0001	C1: 154.6930
331.923	12.6940	0.082047	12.6936	-0.0004	X0: 0.000055
150.010	28.0877	0.181556	28.0870	-0.0008	X1: -0.000007
100.014	42.1285	0.272326	42.1284	-0.0001	X2: 0.0000006
75.014	56.1687	0.363090	56.1689	0.0002	X3: 15.0
55.510	75.9042	0.490672	75.9050	0.0008	X4: 10
47.015	89.6191	0.579322	89.6186	-0.0005	

$$C_{cor} = \frac{C_0 + C_1 * V - X_0 * (T - X_3)}{1 + X_1 * (T - X_3) + X_2 * (P - X_4)}$$

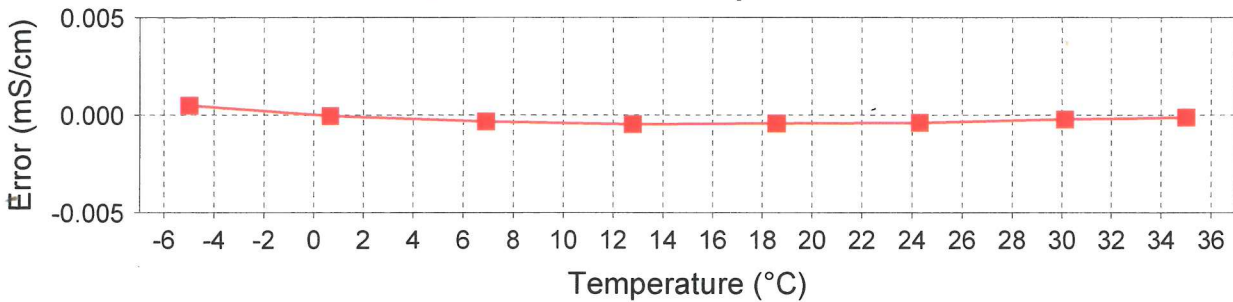
Bath	Voltage Ratio	Temperature (ITS-90)	Salinity (PSS-78)	Conductivity (mS/cm)
T15S35	0.2776529	15.03269	35.0025	42.9524
T25S35	0.3475171	25.65261	35.0070	53.7634

Cell Constant @T15S35 = 4.21344 1/cm

Calibration error vs. Conductivity



Calibration error vs. Temperature



Calibration Date: 10/Mar/2017
 Issue Date: 13/Mar/2017
 File Name: 066030_20170310_1620C.rsk

Operator: *I. Shkvetsov*
 ishkvorets

Approver: *S. Bucknor*
 sbucknor