AANDERAA INSTRUMENTS
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Calibration Sheet
RCM 7
Serial No. 11273

Calibration points

Original (to accompany instrument)

Ch. No.	Parameter	Sensor	Range	Calibration points and corresponding readings			Unit
1	Reference			Fixed reading, N:	435		
2	Temperature	Sensor 1227	Low: -2.4 to 21.4 C	Cal. point	0.72	19.95	degrees C
				Reading, N	144	966	
			Wide: -0.3 to 32.1 C	Cal. point	1.21	31.02	degrees C
				Reading, N	45	986	
			High: 10.1 to 36.0 C	Cal. point	11.00	34.00	degrees C
				Reading, N	40	95[illegible]	
3	Conductivity	Cell 2994 No.4096	0 - 74 mmho/cm	Cal. point	0.07	47.06	mmho/cm
				Reading, N	0	653	
4	Pressure	Sensor 3239 No. 823	0 - 500 PSIA	Cal. point	3.00	30.00	kg/cm2
				Reading, N	111	893	
5	Direction	Compass 1248 No.19684		Cal. point	90	270	degrees magn.
				Reading, N	250	770	
6	Speed	Rotor 2916		Individual units not calibrated			

Conductivity Cell, reading with sea-water loop:

10[illegible] ohm, N = 389

1000 ohm, N = 38

Information about calibration is given in Chapter 6 in the Operating Manual for RCM 7/8 (TD No. 159).

Coefficients

Value of parameter in given unit = $A + BN + CN^2 + DN^3$

Ch. No.	Parameter	A	B	C	D	Unit
1	Reference	0	1	0	0	
2	Temp. Low	-2.537E+00	2.277E-02	-1.344E-06	1.937E-09	degrees C
	Temp. Wide	-3.910E-01	3.595E-02	-8.388E-06	4.300E-09	degrees C
	Temp. High	1.001E+01	2.472E-02	-1.549E-06	2.214E-09	degrees C
3	Conductivity[1)]	7.196E-02	7.196E-02	0	0	mmho/cm
4	Pressure	-8.325E-01	3.453E-02	0	0	kg/cm2
5	Direction	1.000E+00	3.500E-01	0	0	degrees magn.
6	Speed	1.100E+00	2.906E-01	0	0	cm/sec.

[1)] Cell form factor: K = 2.807 cm^{-1}

Place Nesttun Date 4/12 19 95

Signature Ingunn Bjerke

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