

Calibration points

Original (to accompany instrument)

Ch. No.	Parameter	Sensor	Range	Calibration points and corresponding readings			Unit
1	Reference			Fixed reading, N: 518			
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	988	
			High: 10.1 to 35.0 C	Cal. point	11.00	34.00	degrees C
				Reading, N	40	953	
3	Conductivity	Cell 2994 No. 4099	0 - 74 mmho/cm	Cal. point	0.00	47.11	mmho/cm
				Reading, N	0	656	
4	Temperature	Sensor 1227	Arctic: -2.6 to 5.6 C	Cal. point	0.72	5.08	degrees C
				Reading, N	428	968	
5	Direction	Compass 1248 No. 19690		Cal. point	90	270	degrees magn.
				Reading, N	253	770	
6	Speed	Rotor 2916		Individual units not calibrated			

Conductivity Cell, reading with sea-water loop:

100 ohm, N = 390

1000 ohm, N = 39

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 + CN² + DN³

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	-3.880E-01	3.588E-02	-8.388E-06	4.300E-09	degrees C
	Temp. High	1.002E+01	2.463E-02	-1.549E-06	2.214E-09	degrees C
3	Conductivity ¹⁾	0.000E+00	7.182E-02	0	0	mmho/cm
4	Temperature	-2.756E+00	8.175E-03	-1.601E-07	7.991E-11	degrees C
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 = 2.801 cm⁻¹

Place Mesterv Date 4/12 1995

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