



Test and Specification Sheet Recording Current Meter.

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RCM 9, Mk il	
RCM 11	V
Serial No.	53

Main	Compon	ents
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Component	Serial No.	Remarks	
Electronic Board 3623	776	Reference reading: 588	
Data Storage Unit 2990	12387	Standard X Extended	
Doppler Current Sensor 3929/3820	52		
Temperature Sensor 3621	783		
Conductivity Cell 3619/3819			
Pressure sensor 3815 E	149		
Turbidity sensor 3612			
Oxygen Sensor 3675			
Wire harness, screws and sensor plugs. Epoxy coating intact Zinc anode installed			\ \tag{\frac{1}{2}}
Current consumption at continuous ope Current consumption between measure Field test 8 hours, 5 min. interval recordi Check operation with Test Unit 3731, -5 Check remote start, PDC-4 output and e Electrical isolation between system grou	c output of 16.384 K ration, maximum 10 rments at 120 min. in ing in DSU 2990 °C to +35°C, (all cha external powering and and Top end-pla ites interval	Hz is equal to the output of 15.7 KHz	mA mA VVVVV
	Date:	13-01 sign. 7. Heltne	
Temperature readings correspond to roc Conductivity Sensor reads correct with s Pressure Sensor gives correct reading a Turbidity reading increases when a refle	om temperature sea water loop at air pressure ector is placed 20cm	in front of it.	
	Optional Sens	or checked by:(sign.)	
Set interval switch to 10 minutes and tur Erased DSU installed	on channel selector s Open loop voltage:	ge to 0-74 mS switch to OFF position >9.5 Voltage with 100ohms load: > 9.2	[X] [X]

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Calibration Sheet
Recording Current Meter,
RCM 9, Mk II
RCM 11
Serial No.: 53
Reference(channel 1): 588

The calibration coefficients listed below are valid for the sensors with the following serial numbers

Sensor	Range	Serial No.
Doppler Current Sensor 3920 /3820		52
Temperature Sensor 3621		783
Conductivity cell 3619/3819		
Pressure sensor 3815 E	0-60 MPa	149
Turbidity sensor 3612		
Oxygen Sensor 3675		

Calibration Coefficients:

Ch.No.	Parameter	A	В	C	D	Unit
1	Reference	0	1.000E+00	0	0	
2	Current Speed	0	2.933E-01	0	0	cm/s
3	Current Direction	0	3.516E-01	0	0	Deg.M
4	Temperature	· ·				
	Wide range	-6,926E-01	3.420E-02	-6.292E-06	4.800E-09	Deg.C
	Low range	-2,778E+00	2,410E-02	-2.238E-06	2.056E-09	Deg.C
	High range	9,736E+00	2,399 E-02	-5.941E-07	2.820E-09	Deg.C
	Arctic range	-3,078 E+00	8,982 E-03	-3.476E-07	1.134E-10	Deg.C
5	Conductivity					
	0-74mS/cm			0	0	mS/cm
	24-38mS/cm			0	0	mS/cm
	0-2mS/cm			0	0	mS/cm
6	Pressure	-1,772 E+00	6.294 E-02	-9,877 E-07	0	kPa/ MPa
7	Turbidity			8		NTU
	Oxygen		-	0	0	% *

Oxygen saturation with respect to nominal air pressure (1013.2 hPa)
To obtain the density of oxygen in mg/l, see calibration sheet for the Oxygen Sensor, Form 533

Date: 2/4-2001 Sign Poal Dagmes