



# TEST AND SPECIFICATIONS

AANDERAA DATA INSTRUMENTS

Layout No: 1340A

Circuit Diagram No: V-3953

Product: Analog Adaptor 3966 C

used as part of Oxygen Optode 4175 C

Serial No: 1795

### 1. Visual and Mechanical Checks:

- 1.1 Soldering quality.....
- 1.2 Galvanic isolation between housing and electronics.....

### 2. Readings:

- 2.1 0-5 V Analog Output 1 (output mode -111) 1.0 ± 0.005 V
- 2.2 0-5 V Analog Output 2 (output mode -111) 4.0 ± 0.005 V
- 2.3 4-20 mA Analog Output 1 (output mode -111) 7.2 ± 0.04 mA
- 2.4 4-20 mA Analog Output 2 (output mode -111) 16.8 ± 0.04 mA

### 3. Commissioning:

- 3.1 Potentiometers justified and sealed.....
- 3.2 a) Output Mode set to (-101).....
- b) Output Mode set to (-102).....
- c) Output Mode set to (-103).....
- d) Output Mode set to (-104).....
- 3.3 a) Analog output set to 0-5 volt.....
- b) Analog output set to 4-20 mA.....
- 3.4 Interval set to 2s
- 3.5 Interval set to 60s
- 3.6 Salinity set to.....
- 3.7 AnCoett0 set to.....
- 3.8 AnCoeff1 set to.....
- 3.9 Sensor attached..... Oxygen Optode 3835

Table 1 Description of Code

	Oxygen	Conductivity	
Code	Description		
-101	O <sub>2</sub> -Concentration	Conductivity	
-102	O <sub>2</sub> -Saturation	Salinity	
-103		Density	
-104		Sound Speed	
-111	Output1: Test, Fixed reading 1V/7.2 mA	Output 2: Test, Fixed reading 4V/16.8 mA	

Date: 8 April 2013

Sign. **Lene Magnussen**  
Production Engineer

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