

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <b>Accredited to ISO/IEC 17025:2005</b>	<b>Environment Agency</b>	
	<b>Issue No: 003    Issue date: 17 January 2012</b>	
	<b>Instrument Testing Facility North West Region PO Box 12 Richard Fairclough House Knutsford Road Warrington WA4 1HG</b>	<b>Contact: Mr M Weston Tel: +44 (0)1925 542623 Fax: +44 (0)1925 861089 E-Mail: michael.weston@environment-agency.gov.uk Website:</b>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Instrument Testing Facility North West Region PO Box 12 Richard Fairclough House Knutsford Road Warrington WA4 1HG	<b>Local contact</b> Mr Michael Weston	Performance/Functional Tests - Water Monitoring Equipment  A

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
Westy gauging station	Mr Michael Weston	Performance/Functional Tests - Water Monitoring Equipment  B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Performance Characteristics of Water Quality Monitoring Equipment (Continuous and Portable)	<u>Physical and Electrical Tests</u>	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standards - Continuous Water Monitoring Equipment and Portable Water Monitoring Equipment	
	Ambient Temperature Stable Conditions - 25 °C to + 70 °C	SOP 5.4 D9 SOP 5.4 D21	A
	Humidity Stable Condition 40 °C to 70 °C, 90 %rh to 95 %rh	SOP 5.4 D9 SOP 5.4 D21	A
	Supply Voltage Stable Condition 80 V ac to 265 V ac	SOP 5.4 D12 SOP 5.4 D21	A
	Supply Voltage Stable Condition 2 V dc to 30 V dc	SOP 5.4 D10 SOP 5.4 D21	A
	Low Battery Voltage	SOP 5.4 D21	A
	Length of Battery Operation	SOP 5.4 D21	A
	Output Impedance Stable Condition 1000 Ω to 50 Ω	SOP 5.4 D11 SOP 5.4 D13 SOP 5.4 D21	A
	Sample Temperature Stable Conditions 2 °C to 90 °C	SOP 5.4 D18 SOP 5.4 D21	A
	Initial Warm Up (CWM) Warm Up (PWM) Drift Test	SOP 5.4 D21	A
	Instrument Drift Test	SOP 5.4 D21	A, B
	Response Time	SOP 5.4 D21	A, B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Performance Characteristics of Water Quality Monitoring Equipment (Continuous and Portable) (cont'd)	<u>Chemical and Physical Tests</u>	Documented In-House Method to meet the requirements of the Environment Agency MCERTS Performance Standards - Continuous Water Monitoring Equipment and Portable Water Monitoring Equipment (cont'd)	
	pH Accuracy linearity repeatability up to pH 12	SOP 5.4 C1 SOP 5.4 B7 SOP 5.4 D21	A, B
	Specific Conductance Accuracy linearity repeatability up to 100 mS/cm	SOP 5.4 C2 SOP 5.4 B10 SOP 5.4 D21	A, B
	Total Organic Carbon Accuracy linearity repeatability up to 1000 mg/l	SOP 5.4 E2 SOP 5.4 D21	A, B
	Dissolved Oxygen Accuracy linearity repeatability up to 200 % dissolved oxygen	SOP 5.4 B15 SOP 5.4 D5 SOP 5.4 D21	A, B
	Ammonia Solution Accuracy linearity repeatability up to 300 mg/l total ammonia as N	SOP 5.4 B12 SOP 5.4 D21	A, B
	Formazin solution (Turbidity) Accuracy linearity repeatability up to 2000 NTU	SOP 5.4 B11 SOP 5.4 D21	A, B
	Temperature Accuracy linearity repeatability 0 °C to 80 °C	SOP 5.4 D17 SOP 5.4 D21	A, B
<b>END</b>			