


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p style="margin: 0;">UKAS CALIBRATION</p> <p style="margin: 0;">4338</p> <p style="margin: 0;">Accredited to ISO/IEC 17025:2005</p>	<h3 style="margin: 0;">Autoclave & Industrial Controls Ltd</h3> <p style="margin: 0;">Issue No: 005 Issue date: 18 August 2010</p>	
	<p>2 Allens Lane Hamworthy Poole Dorset BH16 5DA</p>	<p>Contact: Mr I Jenner Tel: +44 (0)1202 630033 Fax: +44 (0)1202 630022 E-Mail: ijenner@aicservice.com Website: www.aicservice.com</p>
<p>Calibration performed by the Organisations at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address 2 Allens Lane Hamworthy Poole Dorset BH16 5DA</p> <p>Local contact Mr I Jenner Tel: +44 (0)1202 630033 Fax: +44 (0)1202 630022 Email: ijenner@aicservice.com Website: www.aicservice.com</p>	<p>Humidity, Temperature, Pressure, Electrical, Time</p>	<p>Lab</p>

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>The customers' site or premises must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between the laboratory and the customer</p> <p>Local contact Mr I Jenner Tel: +44 (0) 1202 630033 Fax: +44 (0) 1202 630022 Email: ijenner@aicservice.com Website: www.aicservice.com</p>	<p>Humidity, Temperature, Pressure, Electrical, Time</p>	<p>Site</p>



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
RELATIVE HUMIDITY				
Relative humidity meters	11 %rh to 50 %rh 50 %rh to 75 %rh 75 %rh to 90 %rh for the temperature range 10 °C to 50 °C	1.5 %rh 1.6 %rh 2.0 %rh	Calibrations of devices with an electrical output may be undertaken. The accreditation covers other humidity units directly related to relative humidity, eg, equilibrium relative humidity (ERH).	Lab
Saturated salt capsules	11 %rh 33 %rh 53 %rh 75 %rh 90 %rh	1.3 %rh 1.4 %rh 1.4 %rh 1.5 %rh 1.7 %rh		
Humidity controlled chambers (inclusive of associated indicators, controllers and recorders, all with sensors within the specified parameters and ranges)	11 %rh to 30 %rh 10 °C to 50 °C 30 %rh to 98 %rh 20 °C to 70 °C 30 %rh to 85 %rh 70 °C to 85 °C 65 %rh 90 °C	3.0 %rh 3.0 %rh 3.0 %rh 3.0 %rh		Site
Relative humidity instruments	30 %rh to 95 %rh in air at ambient temperature	3.0 %rh		
TEMPERATURE				
Temperature sensors with indicators (measurements made in air)	- 40 °C to 20 °C 20 °C to 50 °C 50 °C to 100 °C	0.20 °C 0.30 °C 0.60 °C	Calibrations of devices with an electrical output may be undertaken.	Lab
Temperature controlled fridges, freezers, autoclaves, ovens, environmental chambers and water baths	- 80 °C to - 60 °C - 60 °C to 0 °C 0 °C to 50 °C 50 °C to 250 °C 250 °C to 500 °C 500 °C to 1200 °C	1.0 °C 0.70 °C 0.50 °C 0.70 °C 2.2 °C 4.0 °C	Single or multiple point measurements	Site
Electronic thermometers with sensors	- 80 °C to - 60 °C - 60 °C to + 250 °C 250 °C to 500 °C 500 °C to 1200 °C	1.0 °C 0.70 °C 2.2 °C 4.0 °C	Calibration using customer chamber, oven etc. Calibrations of devices with an electrical output may be undertaken.	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
PRESSURE				Lab and site
Gas Pressure (Gauge)				
Calibration of pressure indicating instruments and gauges	- 100 kPa to 0 kPa 0 MPa to 1 MPa 1 MPa to 2 MPa	0.50 kPa 0.70 kPa 0.85 kPa	Including instruments integrated into pressure controlled enclosures	
ELECTRICAL				Site
Generation and measurement				
DC Voltage	0 mV to 100 mV 100 mV to 10 V	0.025 mV 2.5 mV		
DC Resistance	0 Ω to 100 Ω 100 Ω to 1000 Ω	0.035 Ω 0.25 Ω		
DC Current	0 mA to 20 mA	0.010 mA		
Electrical calibration of temperature indicators, controllers and recorders for the following sensors:			Calibrations of devices with an electrical output may be undertaken.	
Noble metal thermocouples	0 $^{\circ}$ C to 1700 $^{\circ}$ C	0.75 $^{\circ}$ C		
Base metal thermocouples	- 190 $^{\circ}$ C to + 1370 $^{\circ}$ C	0.50 $^{\circ}$ C	Including cold junction compensation	
Resistance sensors				
4 wire	- 200 $^{\circ}$ C to + 850 $^{\circ}$ C	0.25 $^{\circ}$ C		
2 and 3 wire	- 200 $^{\circ}$ C to + 850 $^{\circ}$ C	0.50 $^{\circ}$ C		
TIME INTERVAL				Site
Timers	10 s to 2 hrs	0.50 s		

END