


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p style="text-align: center;">Accredited to ISO/IEC 17025:2005</p>	<h3>PreSet Calibration Services Ltd</h3> <p>Issue No: 032 Issue date: 24 June 2011</p>	
	<p>94A East Street Bridport Dorset DT6 3LL</p>	<p>Contact: Mr S S Kick Tel: +44 (0)1308 456539 Fax: +44 (0)1308 421676 E-Mail: lab@preset.com Website: www.preset.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		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Address 94A East Street Bridport Dorset DT6 3LL</td> <td style="width: 50%; border: none;">Local contact Mr S S Kick Tel: +44 (0)1308 456539 Fax: +44 (0)1308 421676 Email: lab@preset.com Website: www.preset.com</td> </tr> </table>	Address 94A East Street Bridport Dorset DT6 3LL	Local contact Mr S S Kick Tel: +44 (0)1308 456539 Fax: +44 (0)1308 421676 Email: lab@preset.com Website: www.preset.com	Electrical, Pressure, Humidity, Temperature and Time Interval Calibration	Lab
Address 94A East Street Bridport Dorset DT6 3LL	Local contact Mr S S Kick Tel: +44 (0)1308 456539 Fax: +44 (0)1308 421676 Email: lab@preset.com Website: www.preset.com			

Site activities performed away from the locations listed above:

Location details	Activity	Location code
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.	Electrical, Pressure, Humidity, Temperature and Time Interval Calibration	Site



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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
TEMPERATURE				Lab
Thermocouples and electronic thermometers with sensors	- 60 °C to + 20 °C 20 °C to 200 °C 200 °C to 600 °C 600 °C to 1100 °C 1100 °C to 1200 °C	0.12 °C 0.11 °C 0.14 °C 1.4 °C 2.2 °C		
Temperature block calibrators	- 60 °C to + 200 °C 200 °C to 600 °C 600 °C to 1100 °C	0.27 °C 0.40 °C 1.9 °C		
Temperature controlled baths, fridges, freezers, autoclaves, ovens, furnaces and environmental chambers	- 60 °C to + 200 °C 200 °C to 500 °C 500 °C to 1100 °C	1.0 °C 2.0 °C 3.0 °C	Single or multiple point measurements	Site
Pt100 sensors	- 60 °C to + 200 °C 200 °C to 300 °C 300 °C to 500 °C 500 °C to 800 °C	0.44 °C 0.62 °C 2.0 °C 3.0 °C		
Thermocouples	- 60 °C to + 200 °C 200 °C to 500 °C 500 °C to 1100 °C	1.0 °C 2.0 °C 3.0 °C		
Electronic thermometers with sensors	As for sensor types above	As for sensor types above		
Temperature block calibrators	- 60 °C to + 200 °C 200 °C to 400 °C 400 °C to 1100 °C	0.35 °C 0.50 °C 2.5 °C		
HUMIDITY				Lab
Relative Humidity	10 %rh to 95 %rh for the temperature range 10 °C to 40 °C	1.6 %rh		
	10 %rh to 95 %rh for the temperature range 40 °C to 60 °C	1.8 %rh		
Temperature sensors incorporated in humidity instruments	10 °C to 60 °C	0.40 °C		
Relative humidity	15 %rh to 95 %rh for the temperature range 10 °C to 40 °C	3.1 %rh		Site



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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
HUMIDITY (continued)				
Temperature (sensors incorporated in humidity instruments)	15 °C to 40 °C	0.70 °C		Lab & Site
PRESSURE				
Hydraulic Pressure (Gauge)				
Calibration of pressure indicating instruments and gauges	0 MPa to 70 MPa	0.050 % + 0.50 kPa		Lab & Site
Gas Pressure (Gauge)				
Calibration of pressure indicating instruments and gauges	- 100 kPa to 0 kPa 0 kPa to 2.5 kPa 2.5 kPa to 400 kPa 400 kPa to 2 MPa	650 Pa 0.80 % + 3.0 Pa 660 Pa 800 Pa		
Gas Pressure (Absolute)				Lab & Site
Calibration of pressure indicating instruments and gauges	3.5 kPa to 350 kPa	0.20 kPa		
ELECTRICAL				
DC Resistance	0 Ω to 1 Ω 1 Ω to 20 Ω 20 Ω to 90 Ω 90 Ω to 1.1 k Ω 1.1 kΩ to 90 kΩ 90 kΩ to 900 kΩ 900 kΩ to 9 MΩ 9 MΩ to 120 MΩ	8.4 mΩ 11 mΩ 18 mΩ 1.4 Ω 120 Ω 1.8 kΩ 68 kΩ 6.1 MΩ		Lab & Site
DC Voltage	1 GΩ	130 MΩ	Generation only	
Generation	0 mV to 20 mV 20 mV to 200 mV 200 mV to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1 kV	6.4 μV 14 μV 59 μV 390 μV 11 mV 72 mV		
Measurement	0 mV to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 100 V 100 V to 1 kV	8.3 μV 55 μV 530 μV 5.8 mV 62 mV		



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ELECTRICAL (continued)				Lab & Site
DC Current				
Generation	0 μ A to 200 μ A 200 μ A to 2 mA 2 mA to 20 mA 20 mA to 200 mA 200 mA to 2 A 2 A to 20 A	50 nA 860 nA 3.2 μ A 38 μ A 730 μ A 15 mA		
	20 A to 50 A 50 A to 1000 A	37 mA 760 mA	Simulation using a 50 turn coil	
Measurement	0 mA to 10 mA 10 mA to 100 mA 100 mA to 1 A 1 A to 3 A 3 A to 10 A 10 A to 240 A 240 A to 1000 A	6.4 μ A 14 μ A 1.2 mA 4.3 mA 1.5 A 6.0 A 25 A		
AC Voltage				
Generation	40 Hz to 1 kHz: 20 mV to 200 mV 200 mV to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1 kV	160 μ V 910 μ V 10 mV 150 mV 980 mV		
Measurement	40 Hz to 1 kHz: 10 mV to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 100 V 100 V to 750 V	80 μ V 620 μ V 6.2 mV 51 mV 410 mV		
AC Current				
Generation	40 Hz to 1 kHz: 10 μ A to 200 μ A 200 μ A to 2 mA 2 mA to 20 mA 20 mA to 200 mA 200 mA to 2 A 2 A to 10 A	550 nA 1.5 μ A 14 μ A 140 μ A 2.5 mA 49 mA		
	10 A to 50 A 50 A to 500 A	120 mA 2.4 A	Simulation using a 50 turn coil	



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ELECTRICAL (continued) AC Current (continued) Measurement	40 Hz to 1 kHz: 100 mA to 1 A 1 A to 3 A	1.0 mA 11 mA		Lab and site
Calibration of Portable Appliance Testers				
Earth Bond	20 mΩ	5.0 %		
	190 mΩ, 210 mΩ, 950 mΩ, 1 Ω 1.05 Ω, 1.08 Ω, 2 Ω 10 Ω and 18 Ω	1.0 %		
	0 V to 20 V	50 mV		
	100 mA to 50 A 50 Hz 1 mA to 2 A 50 Hz 0 mA to 2 A dc	0.50 % + 200 mA 0.50 % + 2.0 mA 0.10 % + 2.0 mA		
Insulation	95 kΩ, 105 kΩ, 500 kΩ, 950 kΩ, 1.05 MΩ, 5 MΩ and 10 MΩ 100 MΩ	0.10 % 1.0 %		
	0 kV to 1 kV 0 mA to 20 mA	2.5 V 50 μA		
Leakage	At 50 Hz: 50 μA to 20 mA	50 μA		
Load	At 50 Hz 2 V to 500 V 5 mA to 13 A at 50 Hz	1.2 V 6.5 mA		



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ELECTRICAL (continued) Electrical calibration of temperature simulators, indicators, controllers and recorders for the following sensors:-				
Noble metal thermocouples	0 °C to 500 °C 500 °C to 1760 °C	1.2 °C to 0.50 °C 0.50 °C	including cold junction compensation	Lab
Base metal thermocouples	- 190 °C to 0 °C 0 °C to 1370 °C	0.40 °C to 0.20 °C 0.20 °C	including cold junction compensation	
Resistance sensors (Pt100)	- 200 °C to + 800 °C	0.060 °C	Simulation	
	- 200 °C to + 800 °C	0.050 °C	Measurement	
Cold junction compensation	At ambient temperature	0.070 °C		
Noble metal thermocouples	0 °C to 500 °C 500 °C to 1760 °C	1.6 °C to 0.80 °C 0.80 °C	including cold junction compensation	Site
Base metal thermocouples	- 200 °C to 0 °C 0 °C to 1000 °C 1000 °C to 1370 °C	1.0 °C to 0.40 °C 0.40 °C 0.50 °C	including cold junction compensation	
Resistance sensors (Pt100)	- 200 °C to 800 °C	0.50 °C	Simulation	
	- 200 °C to 800 °C	0.65 °C	Measurement	
TIME INTERVAL				Lab & site
Timers	10 s to 72 hr	0.80 s		
END				