


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 UKAS CALIBRATION 4332 Accredited to ISO/IEC 17025:2005	Poole Instrument Calibration Limited	
	Issue No: 004 Issue date: 29 October 2016	
	Unit 1 Cabot Business Village Holyrood Close Poole Dorset BH17 7BA	Contact: Mr Matthew Suter Tel: +44 (0)1202 658333 Fax: +44 (0)1202 659966 E-Mail: m.suter@pooleinstruments.com Website: www.pooleinstruments.co.uk
Calibration performed by the Organisations at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Unit 1 Cabot Business Village Holyrood Close Poole Dorset BH17 7BA Local contact Mr Matthew Suter Tel: +44 (0)1202 658333 Fax: +44 (0)1202 659966 Email: m.suter@pooleinstruments.com	Electrical and Temperature.	P

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 and Temperature.	S



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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
ELECTRICAL				
DC Voltage				
Measurement	0 mV to 200 mV 200 mV to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1 kV	5.0 μ V 20 μ V 0.11 mV 1.0 mV 20 mV		P
Generation	0 mV to 200 mV 200 mV to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1000 V	7.0 μ V 40 μ V 0.50 mV 5.0 mV 20 mV		P
DC Current				
Measurement	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	0.020 μ A 0.10 μ A 1.0 μ A 10 μ A 0.20 mA		P
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 30 A	0.040 μ A 0.40 μ A 1.0 μ A 15 μ A 0.20 mA 10 mA		P
DC Resistance				
Measurement	0 Ω to 20 Ω 20 Ω to 200 Ω 200 Ω to 2 k Ω 2 k Ω to 20 k Ω 20 k Ω to 200 k Ω 200 k Ω to 2 M Ω 2 M Ω to 20 M Ω	0.50 m Ω 2.0 m Ω 20 m Ω 0.20 Ω 2.0 Ω 0.050 k Ω 3.0 k Ω		P



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DC Resistance (cont'd)				
Generation (2 wire)	0.2 Ω 0.3 Ω 1 Ω 10 Ω 100 Ω 1 k Ω 10 k Ω 100 k Ω 1 M Ω 10 M Ω 100 M Ω 1 G Ω	0.030 Ω 0.040 Ω 0.030 Ω 0.030 Ω 0.070 Ω 0.040 Ω 0.80 Ω 4.0 Ω 0.10 k Ω 1.5 k Ω 0.20 M Ω 4.0 M Ω	Nominal values	P
Generation (4 wire)	100 m Ω 1 Ω 10 Ω 100 Ω 1 k Ω 10 k Ω 100 k Ω	2.0 m Ω 2.0 m Ω 2.0 m Ω 4.0 m Ω 0.030 Ω 0.30 Ω 3.0 Ω	Nominal values	P
AC Voltage Measurement	2 mV to 200 mV 1 kHz to 60 kHz 200 mV to 2 V 1 kHz to 60 kHz 2 V to 20 V 1 kHz to 60 kHz 20 V to 200 V 1 kHz to 60 kHz 200 V to 1 kV 1 kHz to 30 kHz	0.080 mV 0.50 mV 4.0 mV 0.040 V 1.4 V		P
Generation	0 mV to 20 mV 40 Hz to 206 Hz 20 mV to 200 mV 40 Hz to 20 kHz 200 mV to 2 V 40 Hz to 50 kHz 2 V to 20 V 40 Hz to 20 kHz 20 V to 200 V 40 Hz to 20 kHz	0.070 mV 0.30 mV 4.0 mV 0.050 V 0.15 V		P



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AC Voltage (cont'd)				
Generation (cont'd)	200 V to 700 V 40 Hz to 10 kHz	1.0 V		
	700 V to 1000 V 56 Hz	0.70 V		
AC Current				
Measurement	300 Hz to 5 kHz 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	0.10 μ A 0.50 μ A 5.0 μ A 0.050 mA 2.0 mA		P
Generation	40 Hz to 206 Hz 0 μ A to 25 μ A	0.40 μ A		P
	40 Hz to 1 kHz 25 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	0.70 μ A 5.0 μ A 0.040 mA 0.50 mA 5.0 mA		
	40 Hz to 100 Hz 2 A to 20 A	0.021 A		
	56 Hz 2 A to 30 A	0.021 A		
Capacitance				
Generation	1 nF 10 nF 20 nF 50 nF 100 nF 1 μ F 10 μ F	7.0 pF 40 pF 70 pF 0.20 nF 0.40 nF 5.0 nF 0.080 μ F	Nominal values	P
Frequency				
Generation	0 Hz to 100 Hz 100 Hz to 1 kHz 1 kHz to 10 kHz 10 kHz to 20 kHz 20 kHz to 50 kHz 50 kHz to 100 kHz 100 kHz to 1 MHz 1 MHz to 10 MHz	0.0030 Hz 0.030 Hz 0.30 Hz 0.50 Hz 1.5 Hz 2.5 Hz 0.030 kHz 0.20 kHz		P



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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
TEMPERATURE SIMULATION				
Temperature indicators, calibration by electrical simulation, for the following sensor types:				
Noble metal thermocouples			with cold junction Compensation	P
Type R	0 °C to 1700 °C	0.50 °C		
Type S	-50 °C to 1700 °C	0.50 °C		
Base metal thermocouples			with cold junction Compensation	P
Type K	-140 °C to 1340 °C	0.30 °C		
Type J	-150 °C to 750 °C	0.30 °C		
Type T	-250 °C to 400 °C	0.40 °C		
Type N	-150 °C to 1300 °C	0.30 °C		
Type E	0 °C to 800 °C	0.32 °C		
Resistance thermometer (Pt100)	-100 °C	0.050 °C	Nominal values	P
	0 °C	0.030 °C		
	30 °C	0.040 °C		
	60 °C	0.050 °C		
	100 °C	0.050 °C		
	200 °C	0.060 °C		
	400 °C	0.070 °C		
	800 °C	0.080 °C		
Base metal thermocouples			with cold junction Compensation	S
Type K	-50 °C to 1300 °C	0.71 °C		
Type J	-50 °C to 1100 °C	0.60 °C		
Type T	-50 °C to 390 °C	0.76 °C		
Type N	-50 °C to 1300 °C	0.93 °C		
Resistance thermometer (Pt100)	-50 °C to 600 °C	0.28 °C		S
Temperature simulators, calibration by electrical simulation, for the following sensor types:				
Noble metal thermocouples			with cold junction Compensation	P
Type R	0 °C to 1600 °C	0.70 °C		
Type S	0 °C to 1600 °C	0.70 °C		



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Base metal thermocouples			with cold junction Compensation	P
Type K	-150 °C to 555 °C 555 °C to 1300 °C	0.50 °C 0.50 °C		
Type J	-150 °C to 1100 °C	0.50 °C		
Type T	-150 °C to 100 °C 100 °C to 390 °C	0.50 °C 0.50 °C		
Type N	-150 °C to 1250 °C	0.50 °C		
Type E	-150 °C to 355 °C 355 °C to 900 °C	0.60 °C 0.40 °C		
Resistance thermometer	-200 °C to 0 °C 0 °C to 800 °C	0.0050 °C 0.070 °C		P
Base metal thermocouples			with cold junction Compensation	S
Type K	-50 °C to 0 °C 0 °C to 1300 °C	1.2 °C 1.0 °C		
Type J	400 °C to 750 °C	1.0 °C		
Type T	-50 °C to 0 °C 0 °C to 390 °C	1.3 °C 1.0 °C		
Type N	-50 °C to 1300 °C	2.0 °C to 0.90 °C		
Resistance thermometer (Pt100)	-50 °C to 600 °C	0.24 °C		S
TEMPERATURE				
Resistance thermometers and Electronic thermometers with sensors	-30 °C to 140 °C 0.01 °C 140 °C to 400 °C 400 °C to 600 °C	0.10 °C 0.035 °C 0.26 °C 0.50 °C	In Triple point of water cell	P
Base metal thermocouples	-30 °C to 50 °C 50 °C to 200 °C 200 °C to 600 °C	0.40 °C 0.50 °C 0.75 °C		P
Noble metal thermocouples				
Type R & Type S	0 °C to 200 °C 200 °C to 400 °C 400 °C to 600 °C	0.60 °C 0.75 °C 1.0 °C		
Metal block calibrators	-40 °C to 0 °C 0 °C to 30 °C 30 °C to 230 °C 230 °C to 420 °C 420 °C to 660 °C	0.13 °C 0.13 °C 0.26 °C 0.26 °C 0.26 °C		P



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Temperature surveys				
Temperature controlled, chambers, environmental cabinets and ovens and similar apparatus	-75 °C to 200 °C 200 °C to 600 °C	0.75 °C 1.0 °C	Single and multipoint monitoring probes. Time dependent temperature profiling.	S
Temperature indicators and recorders, with temperature sensor(s)	-75 °C to 140 °C 140 °C to 400 °C 400 °C to 600 °C	0.35 °C 0.50 °C 1.0 °C		S
END				