Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0221

Accredited to ISO/IEC 17025:2017

Druck Limited

Issue No: 080 **Issue date:** 01 June 2026

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Calibration 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
Address Fir Tree Lane Groby Leicester LE6 0FH	**Contact**: Mr S Berdej Tel: +44 (0)116-231 7100 Fax: +44 (0)116-231 7101 Email: sensing.grobyukas@bakerhughes.com	Electrical Pressure Temperature Mass Humidity	UK

Site activities performed away from the locations listed above:

Location details	Activity	Location code
The customer's 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	Pressure	SITE

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CALIBRATION AND MEASUREMENT CAPABILITY (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
PRESSURE			Methods consistent with EURAMET CG3 and CG17	
<u>Gas pressure (absolute)</u>				
Calibration of pressure measuring instruments and gauges and "Pressure equivalent" calibration of Dead Weight Testers (pressure balances supplied with an associated mass set) and Effective area calibration of Dead Weight Testers	0 kPa to 450 kPa 450 kPa kPa to 3.1 MPa 3.1 MPa to 21.1 MPa 21.1 MPa to 40.1 MPa	Q[0.0020 %, 0.40 Pa] Q[0.0020 %, 0.40 Pa] Q[0.0030 %, 0.40 Pa] Q[0.0039 %, 11 Pa]	Calibration of pressure measuring devices with an electrical output may be undertaken.	UK
Calibration of air data test sets manufactured by Druck Ltd	3.5 kPa to 12 kPa 12 kPa to 20 kPa 20 kPa to 30 kPa 30 kPa to 70 kPa 70 kPa to 100 kPa 100 kPa to 110 kPa 110 kPa to 160 kPa 160 kPa to 199.9 kPa 199.9 kPa to 200 kPa	Q[0.062 %, 2.2 Pa] Q[0.016 %, 1.9 Pa] Q[0.010 %, 2.1 Pa] Q[0.0084 %, 2.5 Pa] Q[0.0049 %, 3.4 Pa] Q[0.0045 %, 4.5 Pa] Q[0.0044 %, 4.9 Pa] Q[0.0046 %, 7.3 Pa] Q[0.0043 %, 8.5 Pa]	Pitot ranges (Ps) by comparison with a characterised reference air data test set	SITE
	3.5 kPa to 30 kPa 30 kPa to 100 kPa 100 kPa to 160 kPa 160 kPa to 200 kPa 200 kPa to 270 kPa 270 kPa to 349 kPa 349 kPa to 350 kPa	Q[0.097 %, 3.4 Pa] Q[0.012 %, 3.5 Pa] Q[0.0048 %, 4.8 Pa] Q[0.0051 %, 8.2 Pa] Q[0.0046 %, 9.1 Pa] Q[0.0046 %, 13 Pa] Q[0.0043 %, 15 Pa]	Pitot ranges (Pt) by comparison with a characterised reference air data test set	SITE
<u>Gas pressure (gauge)</u>				
Calibration of pressure measuring instruments and gauges and "Pressure equivalent" calibration of Dead Weight Testers (pressure balances supplied with an associated mass set) and Effective area calibration of Dead Weight Testers	-100 kPa to -3.5 kPa -3.5 kPa to 0 kPa 0 Pa to 2.5 Pa 2.5 Pa to 350 Pa 350 Pa to 1 kPa 1 kPa to 2 kPa 2 kPa to 2.5 kPa 2.5 kPa to 350 kPa 350 kPa to 3 MPa 3 MPa to 21 MPa 21 MPa to 40 MPa	Q[0.0043 %, 0.60 Pa] 0.75 Pa 0.15 Pa 0.10 Pa 0.11 Pa 0.12 Pa 0.14 Pa 0.0020 % 0.0020 % 0.0030 % 0.0039 %		UK
<u>Hydraulic pressure (gauge)</u>				
Calibration of pressure measuring instruments and gauges. "Pressure equivalent" calibration of Dead Weight Testers (Pressure balance with associated mass set). Effective area calibration of Dead Weight Testers.	0.5 MPa to 140 MPa 140 MPa to 500 MPa	Q[0.0036 %, $(0.12p \times 10^{-6})$/MPa] Q[0.010 %, $(0.30p \times 10^{-6})$/MPa] p = measured pressure	Absolute pressure calibrations can be undertaken using gauge pressure generation and the associated barometric pressure with the additional uncertainty of 11 Pa	UK

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL			Calibration by comparison with a reference standard	UK
DC Resistance measurement (At low current)				
	0 Ω to 2 Ω	Q[16 µΩ/Ω, 35 µΩ]		
	2 Ω to 20 Ω	Q[7.0 µΩ/Ω, 30 µΩ]		
	20 Ω to 200 Ω	Q[6.5 µΩ/Ω, 250 µΩ]		
	200 Ω to 2 kΩ	Q[10.0 µΩ/Ω, 2.0 mΩ]		
	2 kΩ to 20 kΩ	Q[10.0 µΩ/Ω, 25 mΩ]		
	20 kΩ to 200 kΩ	Q[5.0 µΩ/Ω, 135 mΩ]		
	200 kΩ to 2 MΩ	Q[13 µΩ/Ω, 2.0 Ω]		
	2 MΩ to 20 MΩ	Q[72 µΩ/Ω, 120 Ω]		
	20 MΩ to 200 MΩ	Q[720 µΩ/Ω, 120 kΩ]		
	200 MΩ to 2 GΩ	Q[720 µΩ/Ω, 1.2 MΩ]		
DC Resistance measurement (At higher current)				
	0 Ω to 2 Ω	Q[16 µΩ/Ω, 36 µΩ]		
	2 Ω to 20 Ω	Q[7.0 µΩ/Ω, 30 µΩ]		
	20 Ω to 200 Ω	Q[7.0 µΩ/Ω, 70 µΩ]		
	200 Ω to 2 kΩ	Q[3.4 µΩ/Ω, 0.70 mΩ]		
	2 kΩ to 20 kΩ	Q[3.5 µΩ/Ω, 5.0 mΩ]		
	20 kΩ to 200 kΩ	Q[4.3 µΩ/Ω, 75 mΩ]		
	200 kΩ to 2 MΩ	Q[9.5 µΩ/Ω, 1.5 Ω]		
	2 MΩ to 20 MΩ	Q[71 µΩ/Ω, 120 Ω]		
	20 MΩ to 200 MΩ	Q[700 µΩ/Ω, 12 kΩ]		
	200 MΩ to 2 GΩ	Q[720 µΩ/Ω, 1.2 MΩ]		
DC Resistance Generation Specific values				
	1 mΩ	0.15%		
	10 mΩ	0.10 %		
	100 mΩ	250 µΩ/Ω		
	1 Ω	42 µΩ/Ω		
	1.9 Ω	36 µΩ/Ω		
	10 Ω	7.0 µΩ/Ω		
	19 Ω	20 µΩ/Ω		
	25 Ω	6.0 µΩ/Ω		
	50 Ω	3.0 µΩ/Ω		
	100 Ω	3.0 µΩ/Ω		
	190 Ω	15 µΩ/Ω		
	250 Ω	6.0 µΩ/Ω		
	300 Ω	5.0 µΩ/Ω		
	1 kΩ	3.0 µΩ/Ω		
	1.9 kΩ	5.5 µΩ/Ω		
	10 kΩ	3.0 µΩ/Ω		
	19 kΩ	5.0 µΩ/Ω		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
DC Resistance Generation Specific values (continued)				
	100 kΩ	6.0 μΩ/Ω		
	190 kΩ	8.5 μΩ/Ω		
	1 MΩ	8.5 μΩ/Ω		
	1.9 MΩ	18 μΩ/Ω		
	10 MΩ	12 μΩ/Ω		
	19 MΩ	35 μΩ/Ω		
	100 MΩ	50 μΩ/Ω		
	1 GΩ	250 μΩ/Ω		
	1 kΩ	0.25 %	With applied voltages of 50 V and 100 V	
	10 kΩ	0.25 %		
	100 kΩ	0.25 %		
	1 MΩ	0.25 %		
	10 MΩ	0.25 %		
	100 MΩ	0.25 %		
	1 GΩ	0.50 %		
	10 GΩ	1.5 %		
	1.0 MΩ	0.30 %	With applied voltages of 250 V and 500 V	
	10 MΩ	0.30 %		
	100 MΩ	0.30 %		
	1 GΩ	0.40 %		
	10 GΩ	1.20 %		
	100 GΩ	2.0 %	With an applied voltage of 500 V	
	1 TΩ	2.0 %		
	100 MΩ	0.50 %		
	1.0 GΩ	0.50 %	With an applied voltage of 1000 V	
	10 GΩ	1.0 %		
	100 GΩ	2.0 %		
	1 TΩ	2.0 %		
	1.0 GΩ	1.1 %	With an applied voltage of 5000 V	
	10 GΩ	1.0 %		
	100 GΩ	2.0 %		
	1 TΩ	2.0 %		
Other values	0.1 Ω to 10 Ω	1.0 mΩ		
	10 Ω to 100 Ω	18 μΩ/Ω		
	100 Ω to 1 kΩ	25 μΩ/Ω		
	1 kΩ to 10 kΩ	10 μΩ/Ω		
	10 kΩ to 100 kΩ	10 μΩ/Ω		
	100 kΩ to 1 MΩ	35 μΩ/Ω		
	1 MΩ to 10 MΩ	0.05 %		
	10 MΩ to 100 MΩ	0.08 %		
	100 MΩ to 1 GΩ	0.60 %		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
DC Voltage				
Voltage Reference Values	1.018 V 10 V	2.0 µV/V 1.0 µV/V		
Measurement	0 V to 200 mV 200 mV to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1000 V	Q[6.5 µV/V, 1.3 µV] Q[6.5 µV/V, 1.4 µV] Q[2.5 µV/V, 5.5 µV] Q[4.0 µV/V, 59 µV] Q[7.0 µV/V, 650 µV]		
Generation	0 mV to 200 mV 0.2 V to 2 V 2 V to 11 V 11 V to 20 V 20 V to 200 V 200 V to 1100 V	Q[10.0 µV/V, 0.50 µV] Q[3.0 µV/V, 1.0 µV] Q[1.5 µV/V, 3.0 µV] Q[1.5 µV/V, 5.0 µV] Q[2.5 µV/V, 60 µV] Q[2.5 µV/V, 300 µV]		
DC Current				
Measurement	0 A to 20 µA 20 µA to 200 µA 200 µA to 2 mA 2 mA to 20 mA 20 mA to 200 mA 200 mA to 2 A 2 A to 10 A 10 A to 20 A 20 A to 30 A	Q[70.0 µA/A, 1.0 nA] Q[10.0 µA/A, 1.0 nA] Q[10.5 µA/A, 5.0 nA] Q[9.5 µA/A, 50.0 nA] Q[23 µA/A, 930 nA] Q[67 µA/A, 19 µA] Q[80 µA/A, 463 µA] Q[230 µA/A, 6.0 µA] Q[230 µA/A, 6.0 µA]		
Generation	0 µA to 200 µA 200 µA to 2 mA 2 mA to 20 mA 20 mA to 200 mA 200 mA to 2 A 2 A to 10 A 10 A to 20 A 20 A to 60 A	Q[5.0 µA/A, 0.7 nA] Q[7.0 µA/A, 1.5 nA] Q[8.0 µA/A, 20 nA] Q[8.0 µA/A, 175 nA] Q[12 µA/A, 2.0 µA] 1.2 mA 10 mA 25 mA		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
AC Voltage Measurement	50 µV to 20 mV			
	10 *Hz to 40 Hz*	5.5 µV		
	40 Hz to 105 Hz	5.5 µV		
	105 Hz to 1 kHz	5.5 µV		
	1 kHz to 2 kHz	5.0 µV		
	2 kHz to 10 kHz	5.0 µV		
	10 kHz to 30 kHz	5.0 µV		
	30 kHz to 60 kHz	7.5 µV		
	60 kHz to 100 kHz	7.5 µV		
	100 kHz to 300 kHz	12.0 µV		
	300 kHz to 1 MHz	50.0 µV		
	1 MHz	80.0 µV		
	20 mV to 200 mV			
	10 *Hz to 55 Hz*	6.0 µV		
	55 Hz to 305 Hz	6.0 µV		
	305 Hz to 1 kHz	6.0 µV		
	1 kHz to 3 kHz	6.5 µV		
	3 kHz to 10 kHz	6.5 µV		
	10 kHz to 30 kHz	10.0 µV		
	30 kHz to 60 kHz	15.0 µV		
	60 kHz to 100 kHz	15.0 µV		
	100 kHz to 300 kHz	50.0 µV		
	300 kHz to 1 MHz	20.0 µV		
	200 mV to 2 V			
	10 *Hz to 55 Hz*	85.0 µV		
	55 Hz to 305 Hz	60.0 µV		
	305 Hz to 1 kHz	45.0 µV		
	1 kHz to 3 kHz	40.0 µV		
	3 kHz to 10 kHz	40.0 µV		
	10 kHz to 30 kHz	75.0 µV		
	30 kHz to 60 kHz	130.0 µV		
	60 kHz to 100 kHz	130.0 µV		
	100 kHz to 500 kHz	0.6 mV		
	500 kHz to 1 MHz	2.0 mV		
	2 V to 20 V			
	10 Hz to 55 Hz	420 µV		
	55 Hz to 305 Hz	360 µV		
	305 Hz to 1 kHz	320 µV		
	1 kHz to 3 kHz	320 µV		
	3 kHz to 10 kHz	330 µV		
	10 kHz to 30 kHz	450 µV		
	30 kHz to 60 kHz	1.3 mV		
	60 kHz to 100 kHz	1.5 mV		
	100 kHz to 500 kHz	5.0 mV		
	500 kHz to 1 MHz	40.0 mV		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued) AC Voltage Measurement (continued)	20 V to 200 V *10 Hz to 55 Hz* *55 Hz to 305 Hz* *305 Hz to 1 kHz* *1 kHz to 3 kHz* *3 kHz to 10 kHz* *10 kHz to 30 kHz* *30 kHz to 60 kHz* *60 kHz to 100 kHz* *100 kHz to 200 kHz* *At 200 kHz* 200 V to 1 kV *55 Hz to 305 Hz* *305 Hz to 1 kHz* *1 kHz to 3 kHz* *3 kHz to 10 kHz* *10 kHz tto 30 kHz* *At 30 kHz*	 6.0 mV 5.0 mV 5.0 mV 5.0 mV 8.0 mV 17 mV 25 mV 30 mV 90 mV 120 mV 60 mV 60 mV 65 mV 75 mV 130 mV 250 mV	Calibration by comparison with a reference standard	UK

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
AC Voltage Generation	*10 Hz to 40 Hz*			
	0.1 mV to 2 mV	7.0 µV		
	2 mV to 20 mV	11.0 µV		
	20 mV to 100 mV	26 µV		
	100 mV to 1 V	100 µV		
	1 V to 10 V	2.4 mV		
	10 V to 100 V	24 mV		
	40 Hz to 500 Hz			
	0.1 mV to 2 mV	7.0 µV		
	2 mV to 20 mV	10.0 µV		
	20 mV to 100 mV	14 µV		
	100 mV to 1 V	50 µV		
	1 V to 10 V	700 µV		
	10 V to 100 V	7.0 mV		
	500 Hz to 1 kHz			
	0.1 mV to 2 mV	7.0 µV		
	2 mV to 20 mV	9.0 µV		
	20 mV to 100 mV	13 µV		
	100 mV to 1 V	25 µV		
	1 V to 10 V	300 µV		
	10 V to 100 V	4.0 mV		
	1 kHz to 10 kHz			
	0.1 mV to 2 mV	7.0 µV		
	2 mV to 20 mV	10.0 µV		
	20 mV to 100 mV	11 µV		
	100 mV to 1 V	21 µV		
	1 V to 10 V	230 µV		
	10 V to 100 V	3.5 mV		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
AC Voltage Generation (continued)				
	10 kHz			
	2 mV	7.0 µV		
	20 mV	9.0 µV		
	100 mV	13 µV		
	1 V	21 µV		
	10 V	230 µV		
	100 V	3.5 mV		
	1000 V			
	55 Hz to 500 Hz	62 mV		
	500 Hz to 1 kHz	75 mV		
	1 kHz	75 mV		
AC Current Measurement				
	30 nA to 10 µA			
	10 Hz to 55 Hz	8.0 nA		
	55 Hz to 305 Hz	8.0 nA		
	305 Hz to 1 kHz	8.0 nA		
	1 kHz to 3 kHz	8.0 nA		
	3 kHz to 10 kHz	8.0 nA		
	At 10 kHz	8.0 nA		
	10 µA to 200 µA			
	10 Hz to 55 Hz	20.0 nA		
	55 Hz to 305 Hz	20.0 nA		
	305 Hz to 1 kHz	20.0 nA		
	1 kHz to 3 kHz	20.0 nA		
	3 kHz to 10 kHz	20.0 nA		
	10 kHz to 20 kHz	40.0 nA		
	20 kHz to 30 kHz	60.0 nA		
	At 30 kHz	90.0 nA		
	200 µA to 2 mA			
	10 Hz to 55 Hz	150 nA		
	55 Hz to 305 Hz	120 nA		
	305 Hz to 1 kHz	120 nA		
	1 kHz to 3 kHz	120 nA		
	3 kHz to 10 kHz	120 nA		
	10 kHz to 20 kHz	250 nA		
	20 kHz to 30 kHz	330 nA		
	At 30 kHz	390 nA		
	2 mA to 20 mA			
	10 Hz to 55 Hz	1.5 µA		
	55 Hz to 305 Hz	1.5 µA		
	305 Hz to 1 kHz	1.5 µA		
	1 kHz to 3 kHz	1.5 µA		
	3 kHz to 10 kHz	1.5 µA		
	10 kHz to 20 kHz	1.5 µA		
	20 kHz to 30 kHz	2.0 µA		
	At 30 kHz	3.0 µA		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
AC Current Measurement (continued)				
	20 mA to 200 mA			
	10 Hz to 55 Hz	15 µA		
	55 Hz to 305 Hz	12 µA		
	305 Hz to 1 kHz	12 µA		
	1 kHz to 3 kHz	12 µA		
	3 kHz to 10 kHz	12 µA		
	10 kHz to 20 kHz	22 µA		
	20 kHz to 30 kHz	30 µA		
	At 30 kHz	30 µA		
	200 mA to 2 A			
	10 Hz to 55 Hz	220 µA		
	55 Hz to 305 Hz	175 µA		
	305 Hz to 1 kHz	175 µA		
	1 kHz to 3 kHz	300 µA		
	3 kHz to 10 kHz	450 µA		
	10 kHz to 20 kHz	850 µA		
	20 kHz to 30 kHz	630 µA		
	At 30 kHz	230 µA		
	2 A to 20 A			
	10 Hz to 55 Hz	20 mA		
	55 Hz to 305 Hz	20 mA		
	305 Hz to 1 kHz	20 mA		
	1 kHz to 3 kHz	20 mA		
	3 kHz to 10 kHz	20 mA		
	At 10 kHz	27 mA		
	20 A to 30 A			
	10 Hz to 55 Hz	20 mA		
	55 Hz to 305 Hz	20 mA		
	305 Hz to 1 kHz	20 mA		
	1 kHz to 3 kHz	20 mA		
	3 kHz to 10 kHz	20 mA		
	At 10 kHz	27 mA		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
ELECTRICAL (continued)			Calibration by comparison with a reference standard	UK
AC Current Generation				
	55 Hz to 400 Hz			
	10 µA to 100 µA	20 nA		
	100 µA to 1 mA	140 nA		
	1 mA to 10 mA	580 nA		
	10 mA to 100 mA	7.5 µA		
	100 mA to 1 A	85 µA		
	60 Hz			
	1 A to 2 A	0.15 %		
	2 A to 10 A	0.30 %		
	10 A to 20 A	0.5 %		
	20 A to 50 A	0.5 %		
	400 Hz to 1 kHz			
	10 µA to 100 µA	21 nA		
	100 µA to 1 mA	135 nA		
	1 mA to 10 mA	600 nA		
	10 mA to 100 mA	7.5 µA		
	200 mA to 1 A	95 µA		
	1 kHz to 5 kHz			
	10 µA to 100 µA	30 nA		
	100 µA to 1 mA	200 nA		
	1 mA to 10 mA	1.0 µA		
	10 mA to 100 mA	12 µA		
	100 mA to 1 A	200 µA		
	5 kHz to 10 kHz			
	10 µA to 100 µA	100 nA		
	100 µA to 1 mA	1.0 µA		
	1 mA to 10 mA	7.5 µA		
	10 mA to 100 mA	22 µA		
	100 mA to 1 A	300 µA		
	At 10 kHz			
	10 µA to 100 µA	120 nA		
	100 µA to 1 mA	1.2 µA		
	1 mA to 10 mA	7.5 µA		
	10 mA to 100 mA	25 µA		
	100 mA to 1 A	320 µA		
Frequency				UK
	10 MHz	7.0 in 10^{11}	Measurement and generation of repetitive waveforms.	
	1 Hz to 2 GHz	0.20 µHz/Hz		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Temperature indicators, calibration by electrical simulation				UK
Base metal thermocouples	Type E		Excluding cold junction compensation.	
	-210 °C to +0 °C	0.030 °C		
	0 °C to +980 °C	0.020 °C		
	Type J			
	-190 °C to +0 °C	0.030 °C		
	0 °C to +1170 °C	0.020 °C		
	Type K			
	-200 °C to -100 °C	0.050 °C		
	-100 °C to 900 °C	0.030 °C		
	Type L			
	-190 °C to +0 °C	0.030 °C		
	0 °C to +880 °C	0.020 °C		
	Type N			
	-200 °C to +0 °C	0.070 °C		
	0 °C to +1240 °C	0.040 °C		
	Type T			
	-200 °C to +0 °C	0.050 °C		
	0 °C to +390 °C	0.020 °C		
	Type U			
	-170 °C to +0 °C	0.075 °C		
	0 °C to +590 °C	0.020 °C		
Nobel metal thermocouples	Type B		Excluding cold junction compensation.	
	250 °C to +900 °C	0.250 °C		
	900 °C to 1790 °C	0.015 °C		
	Type C			
	250 °C to +600 °C	0.025 °C		
	600 °C to 2250 °C	0.015 °C		
	Type D			
	200 °C to +600 °C	0.020 °C		
	600 °C to +1790 °C	0.025 °C		
	Type R			
	-30 °C to +0 °C	0.18 °C		
	0 °C to +1740 °C	0.08 °C		
	Type S			
	-30 °C to +0 °C	0.18 °C		
	0 °C to 1740 °C	0.08 °C		
Cold junction compensation	At 0 °C	0.21 °C		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Temperature indicators, calibration by electrical simulation (continued)				UK
Resistance thermometers	PT1000 -190 °C to 0 °C 0 °C to 390 °C	 0.010 °C 0.025 °C		
	PT500 -190 °C to 0 °C 0 °C to 830 °C	 0.010 °C 0.030 °C		
	PT200 -190 °C to 0 °C 0 °C to 830 °C	 0.010 °C 0.030 °C		
	PT100 -190 °C to 0 °C 0 °C to 830 °C	 0.010 °C 0.030 °C		
	PT50 -190 °C to 0 °C 0 °C to 830 °C	 0.020 °C 0.035 °C		
	Ni100 -50 °C to 230 °C	 0.010 °C		
	Ni120 -70 °C to 250 °C	 0.010 °C		
	Cu10 -190 °C to 0 °C 0 °C to 250 °C	 0.025 °C 0.10 °C		
	D-100 -190 °C to 0 °C 0 °C to 490 °C	 0.012 °C 0.020 °C		
Temperature simulators, calibration by electrical simulation				
Base metal thermocouples	Type E -200 °C to +0 °C 0 °C to +980 °C	 0.055 °C 0.030 °C	Excluding cold junction compensation.	
	Type J -190 °C to +0 °C 0 °C to +1170 °C	 0.055 °C 0.035 °C		
	Type K -200 °C to -100 °C -100 °C to 900 °C 900 °C to 1300 °C	 0.100 °C 0.050 °C 0.060 °C		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Temperature simulators, calibration by electrical simulation (continued)				UK
Base metal thermocouples (continued)	Type L -190 °C to +0 °C 0 °C to +880 °C	 0.050 °C 0.030 °C	Excluding cold junction compensation.	
	Type N -200 °C to +0 °C 0 °C to +1240 °C	 0.070 °C 0.060 °C		
	Type T -200 °C to +0 °C 0 °C to +390 °C	 0.090 °C 0.040 °C		
	Type U -170 °C to +0 °C 0 °C to +590 °C	 0.090 °C 0.040 °C		
Nobel metal thermocouples	Type B 250 °C to +900 °C 900 °C to 1790 °C	 0.460 °C 0.180 °C	Excluding cold junction compensation.	
	Type C 250 °C to +600 °C 600 °C to 2250 °C	 0.100 °C 0.180 °C		
	Type D 200 °C to +600 °C 600 °C to +1790 °C	 0.100 °C 0.120 °C		
	Type R -30 °C to +0 °C 0 °C to +1740 °C	 0.350 °C 0.150 °C		
	Type S -30 °C to +0 °C 0 °C to 1740 °C	 0.350 °C 0.150 °C		
Resistance thermometers	PT1000 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 850 °C	 0.0012 °C 0.0035 °C 0.0068 °C		
	PT500 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 850 °C	 0.0020 °C 0.0022 °C 0.0050 °C		
	PT200 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 850 °C	 0.0020 °C 0.0022 °C 0.0050 °C		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Temperature simulators, calibration by electrical simulation (continued)				UK
Resistance thermometers (continued)	PT100 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 850 °C PT50 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 850 °C Ni100 -60 °C to 0 °C 0 °C to 180 °C Ni120 -80 °C to 0 °C 0 °C to 260 °C Cu10 -200 °C to 0 °C 0 °C t0 260 °C D-100 -200 °C to 0 °C 0 °C to 300 °C 300 °C to 500 °C	 0.0020 °C 0.0022 °C 0.0050 °C 0.0022 °C 0.0042 °C 0.0093 °C 0.0015 °C 0.0018 °C 0.0015 °C 0.0015 °C 0.0025 °C 0.0042 °C 0.0019 °C 0.0034 °C 0.0030 °C		

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
MASS	Nominal value (grams) 0.001 to 0.02 0.05 to 0.2 0.5 1 2 5 10 20 50 100 200 500 1 000 2 000 5 000 10 000 20 000 30 000	(mg) 0.012 0.015 0.018 0.020 0.024 0.030 0.040 0.050 0.060 0.10 0.20 0.50 1.0 2.0 5.0 10 20 30	Intermediate values under 100g can be calibrated with an uncertainty equal to the uncertainty of the next higher nominal value. Intermediate values over 100 g can be calibrated with an uncertainty of 1.0 mg/kg. Substitution Method.	UK
TEMPERATURE Resistance thermometers and electronic thermometers with PRT, thermocouple or thermistor sensors	-75 °C to -40 °C -40 °C to -30 °C -30 °C to 0 °C 0 °C (ice point) 0.01 °C (Triple Point of Water) 0 °C to 60 °C 60 °C to 150 °C 150 °C to 200 °C 200 °C to 250 °C	0.034 °C 0.028 °C 0.017 °C 0.018 °C 0.002 0 °C 0.012 °C 0.020 °C 0.026 °C 0.033 °C	Calibration performed in liquid baths.	UK
HUMIDITY Relative humidity meters	11 %rh 33 %rh 54 %rh 75 %rh 90 %rh For the temperature range 21 °C ± 3 °C	2.2 %rh 2.2 %rh 2.2 %rh 2.2 %rh 2.2 %rh	Calibrations by comparison with dew-point hygrometer and Platinum Resistance Thermometers or against salt solutions.	UK
END				

Appendix - Calibration and Measurement Capabilities

Introduction

The definitive statement of the accreditation status of a calibration laboratory is the Accreditation Certificate and the associated Schedule of Accreditation. This Schedule of Accreditation is a critical document, as it defines the measurement capabilities, ranges and boundaries of the calibration activities for which the organisation holds accreditation.

Calibration and Measurement Capabilities (CMCs)

The capabilities provided by accredited calibration laboratories are described by the Calibration and Measurement Capability (CMC), which expresses the lowest measurement uncertainty that can be achieved during a calibration. If a particular device under calibration itself contributes significantly to the uncertainty (for example, if it has limited resolution or exhibits significant non-repeatability) then the uncertainty quoted on a calibration certificate will be increased to account for such factors.

The CMC is normally used to describe the uncertainty that appears in an accredited calibration laboratory's schedule of accreditation and is the uncertainty for which the laboratory has been accredited using the procedure that was the subject of assessment. The measurement uncertainty is calculated according to the procedures given in the GUM and is normally stated as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. An accredited laboratory is not permitted to quote an uncertainty that is smaller than the published measurement uncertainty in certificates issued under its accreditation.

Expression of CMCs - symbols and units

It should be noted that the percentage symbol (%) represents the number 0.01. In cases where the measurement uncertainty is stated as a percentage, this is to be interpreted as meaning percentage of the measurand.
Thus, for example, a measurement uncertainty of 1.5 % means $1.5 \times 0.01 \times q$, where q is the quantity value.

The notation Q[a, b] stands for the root-sum-square of the terms between brackets: $Q[a, b] = [a^2 + b^2]^{1/2}$