Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

22138

Accredited to ISO/IEC 17025:2017

Moorcroft Controls Limited

Issue No: 009 **Issue date:** 14 September 2026

Unit 2, The Green **Hawks Green Lane** **Cannock** **WS11 7LG**	**Contact: Mr Andrew Bilbrough** **Tel: +44 (0)1543 509020** **E-Mail: controls@moorcroft.io** **Website: www.moorcroft.io**

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 2, The Green Hawks Green Lane Cannock WS11 7LG **Local contact** Mr Andrew Bilbrough Tel: +44 (0)1543 509020 Email: andrew.bilbrough@moorcroft.io	Electrical / Pressure / Temperature / Humidity	Lab

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 / Temperature / Humidity	Site

Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Calibrations are performed as a direct comparison against a reference standard unless otherwise stated.				
ELECTRICAL				
DC Resistance	0 Ω to 40 Ω 100 Ω to 400 Ω 400 Ω to 4000 Ω	0.014 Ω 0.05 Ω 0.58 Ω		Site and Lab
DC Voltage Measurement	0 mV to 50 mV 50 mV to 1 V 1V to 10 V	0.041 mV 0.07 mV 0.82 mV		Site and Lab
Generation	0 mV to 100 mV 100 mV to 1 V 1V to 10 V	0.007 mV 0.07 mV 0.93 mV		Site and Lab
DC Current Measurement	4 mA to 20 mA	0.0019 mA		Site and Lab
Generation	4 mA to 20 mA	0.0014 mA		
Temperature by Electrical Simulation Temperature calibrators, simulators, indicators, recorders, controllers and transmitters, calibration by electrical simulation				
Base metal thermocouple (J, K, T & N) Simulation and Measurement	-50 °C to +1300 °C	0.53 °C	including cold junction compensation	Site and Lab
Noble metal thermocouple (R & S type) Simulation and Measurement	0 °C to 1700 °C	0.71 °C	including cold junction compensation	Site and Lab
Pt 100 Simulation and Measurement	-190 °C to 0 °C 0 °C to 750 °C	0.03 °C 0.09 °C	3 and 4 wire measurement	Site and Lab
Pt 1000 Simulation and Measurement	-200 °C to 0 °C 0 °C to 830 °C	0.10 °C 0.38 °C	3 and 4 wire measurement	Site and Lab

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Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Calibrations are performed as a direct comparison against a reference standard unless otherwise stated.				
PRESSURE			Methods consistent with EURAMET CG17	
Gas Pressure (Gauge)				
Calibration of pressure indicating instruments and gauges.	-95 kPa to 2 MPa	1.56 kPa	Comparison with gauge pressure reference	Site and Lab
Hydraulic Pressure (Gauge)				
Calibration of pressure indicating instruments and gauges	0 MPa to 6 MPa 6 MPa to 60 MPa	11 kPa 45 kPa	Comparison with gauge pressure reference	
Gas Pressure (Absolute)				
Calibration of pressure indicating instruments and Gauges.	80 kPa to 120 kPa	0.10 kPa	Direct comparison with barometer standard	Site and Lab
	5 kPa to 2 MPa	1.56 kPa	Comparison with gauge pressure reference summed with barometer	
Hydraulic Pressure (Absolute)				
Calibration of pressure indicating instruments and gauges.	100 kPa to 6.1 MPa 6.1 MPa to 60.1 MPa	11 kPa 45 kPa	Comparison with gauge pressure reference summed with barometer	
TEMPERATURE				
Temperature controlled chambers, ovens, environmental cabinets, refrigerators and freezers	-80 °C to 0 °C 0 °C to 400 °C 400 °C to 1000 °C 1000 °C to 1250 °C	0.99 °C 0.87 °C 1.4 °C 1.6 °C	Single point calibration of control temperature probe and associated display.	Site and Lab
	-196 °C to 0 °C 0 °C to 1300 °C	3.1 °C 3.0 °C	Multipoint monitoring probes. Time dependent temperature profiling, also referred to as spatial temperature surveying or mapping	
HUMIDITY				
Relative humidity instruments at ambient temperature	20 %rh to 80 %rh at 15 C to 25 C	1.3 %rh	Comparison with reference hygrometer in a chamber	Site and Lab
Temperature probes built into humidity instruments	15 °C to 25 °C	0.45 °C	Comparison with reference hygrometer in a chamber	Site and Lab
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: $Q[a, b] = [a^2 + b^2]^{1/2}$