Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

8980
Accredited to
ISO/IEC 17025:2017

Caltec Instrument Services Limited

Issue No: 010 **Issue date:** 15 June 2026

Unit 16 Barnwell Drive
Barnwell Business Park
Cambridge
CB5 8UZ

Contact: Mr Azad Karimov
Tel: +44 (0) 1223 755 530
E-Mail: admin@caltec.uk
Website: www.caltec.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: 16 Barnwell Drive, Barnwell Business Park, Cambridge, CB5 8UZ **Local contact:** Azad Karimov	Temperature: Electronic indicator and probes	Lab

Site activities:

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.	Temperature controlled enclosures (Mapping) Electronic indicator and probes	Site

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

8980
Accredited to
ISO/IEC 17025:2017

Caltec Instrument Services Limited
Issue No: 010 **Issue date:** 15 June 2026

Calibration performed by the Organisation at the locations specified

Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
TEMPERATURE				
Electronic indicators, chart recorders, data loggers and monitors with probes.	-100 °C to -40 °C -40 °C to +90 °C -50 °C to +200 °C	0.086 °C 0.037 °C 0.086 °C	Measurement made with a dry block and Liquid bath. Analogue chart records may increase the uncertainty dependent on resolution	Lab
Electronic indicators, chart recorders, data loggers and monitors with probes.	-100 °C to -40 °C -40 °C to +90 °C 90 °C to +200 °C	0.14 °C 0.09 °C 0.14 °C	Measurements made within a dry block and liquid bath. Analogue chart records may increase the uncertainty dependent on resolution	Site
Temperature controlled incubators, ovens, fridges, Refrigerators, freezers, environmental cabinets, enclosures and liquid baths	-80 °C to +40 °C	0.37 °C	Single point and multipoint time dependent temperature profiling, also referred to as spatial temperature surveying or mapping	Site
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: $Q[a, b] = [a^2 + b^2]^{1/2}$