


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8306 Accredited to ISO/IEC 17025:2017	Ellab Monitoring Solutions Ltd	
	Issue No: 011 Issue date: 17 February 2023	
	Pendle House Jubilee Road Letchworth SG6 1SP United Kingdom	Contact: Charmaine Dickinson Tel: +44 (0) 1462 688070 Fax: +44 (0) 1462 688071 E-Mail: chd@ellab.com Website: www.ellab.com
Calibration performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Pendle House Jubilee Road Letchworth SG6 1SP United Kingdom	Local contact Charmaine Dickinson Tel: +44 (0) 1462 688070 Fax: +44 (0) 1462 688071 E-Mail: chd@ellab.com	Relative Humidity 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	Humidity Temperature	S



Accredited to
ISO/IEC 17025:2017

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

Ellab Monitoring Solutions Ltd
Issue No: 011 Issue date: 17 February 2023

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 Calibration of temperature loggers and probes in an air chamber Temperature indicators and recorders, with temperature sensor(s)	-40 °C to 60 °C -20 °C to 40 °C -90 °C to 140 °C	0.33 °C 0.33 °C 0.13 °C	By comparison with reference instrument Including temperature probes built in to humidity instruments. Calibration in a block bath	P S P & S
HUMIDITY Relative humidity instruments	11 %rh to 85 %rh	1.3 %rh	By comparison with dew- point hygrometer and Platinum Resistance Thermometers At ambient temperature 20 °C to 25 °C	P & S
END				



Accredited to
ISO/IEC 17025:2017

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

Ellab Monitoring Solutions Ltd
Issue No: 011 Issue date: 17 February 2023

Calibration performed by the Organisation at the locations specified

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: $Q[a, b] = [a^2 + b^2]^{1/2}$