

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 7789 Accredited to ISO/IEC 17025:2017	VQS Limited Trading as Valcomm	
	Issue No: 012 Issue date: 19 December 2024	
	Unit 11 Orwell Court Hurricane Way Wickford Essex SS11 8YJ	Contact: Mr Paul Humphries Tel: +44 (0)7982 826714 / +44 (0)1268 949520 E-Mail: paul.humphries@valcomm.co.uk Website: www.valcomm.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 11 Orwell Court Hurricane Way Wickford Essex SS11 8YJ Local contact Mr Paul Humphries Tel: +44 (0)7982 826714 +44 (0)1268 949520 Email: paul.humphries@valcomm.co.uk	Temperature and relative humidity.	P

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.	Temperature and relative humidity	S



7789
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

VQS Limited Trading as Valcom
Issue No: 012 Issue date: 19 December 2024

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	0 °C to 25 °C 25 °C to 50 °C	0.13 °C 0.12 °C	Including temperature probes built in to humidity instruments.	P & S
Temperature indicators and recorders, with temperature sensor(s)	-196 °C -90 °C to -40 °C -40 °C to 0 °C 0 °C to +130 °C 130 °C to +155 °C +155 °C to +200 °C +200 °C to +300 °C	0.017 °C 0.021 °C 0.020 °C 0.029 °C 0.042 °C 0.14 °C 0.25 °C	Calibration in liquid nitrogen In a liquid bath In a block bath	P
Fixed point	0.01 °C -90 °C to +140 °C +140 °C to +250 °C	0.010 °C 0.10 °C 0.40 °C	Triple point of water cell In a block bath	P S
Temperature controlled fridges, freezers, incubators, ovens and environmental chambers, including associated recorders, indicators and controllers	-80 °C to 140 °C 140 °C to 250 °C	0.20 °C 0.50 °C	Single and multipoint time dependent temperature profiling, also referred to as spatial temperature surveying or mapping	S
HUMIDITY				
Relative humidity instruments	0 °C to 25 °C 5 %rh to 50 %rh 0 °C to 25 °C 50 %rh to 90 %rh 25 °C to 50 °C 5 %rh to 50 %rh 25 °C to 50 °C 50 %rh to 90 %rh 0 °C to 25 °C 5 %rh to 50 %rh 0 °C to 25 °C 50 %rh to 90 %rh 25 °C to 50 °C 5 %rh to 50 %rh 25 °C to 50 °C 50 %rh to 90 %rh	0.13 °C 1.4 %rh 0.13 °C 1.6 %rh 0.12 °C 1.3 %rh 0.12 °C 1.5 %rh 0.20 °C 1.9 %rh 0.20 °C 2.1 %rh 0.23 °C 2.0 %rh 0.23 °C 2.3 %rh	Calibration by comparison with reference instruments using a static chamber Calibration by comparison with reference instruments using a portable chamber	P S



7789
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

VQS Limited Trading as Valcom
Issue No: 012 Issue date: 19 December 2024

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ($k = 2$)	Remarks	Location Code
Humidity controlled chambers, including associated recorders, indicators and controllers	5 °C to 50 °C 10 %rh to 90 %rh	3.0 %rh	Single or multi-point	S
VOLUME of liquids For water delivered from a POVA.	Single channel 10 µl to 100 µl 100 µl to 200 µl 200 µl to 500 µl 0.5 ml to 1 ml 1 ml to 2 ml 2 ml to 5 ml 5 ml to 10 ml	0.35 µl 0.40 µl 0.67 µl 1.56 µl 2.54 µl 5.87 µl 11.72 µl	For water delivered from piston and/or plunger operated volumetric apparatus using procedure as defined in ISO 8655:2022 (gravimetric method). Users requiring conformity to ISO 8655- 6:2022 should note that this cannot be demonstrated using fewer than 10 readings. 3 volumes 10 readings 3 volumes 5 readings 2 volumes 4 readings	P & S
PRESSURE Gas pressure (gauge) Calibration of pressure measuring instruments and gauges. Gas pressure (absolute) Calibration of pressure measuring instruments and gauges.	- 95 kPa to 0 Pa 0 Pa to 7 kPa 7 kPa to 2 MPa 1 kPa to 2 MPa	370 Pa 14 Pa 370 Pa 370 Pa	Methods consistent with EURAMET CG17	P & S P & S
END				



7789
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

VQS Limited Trading as Valcom
Issue No: 012 Issue date: 19 December 2024

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