


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS CALIBRATION 21354 Accredited to ISO/IEC 17025:2017	Racelogic Limited	
	Issue No: 007 Issue date: 27 March 2026	
	Unit 10, Swan Business Centre Osier Way Buckingham Buckinghamshire MK18 1TB	Contact: Mr Gary Clifton Tel: +44 (0) 1280 823803 E-Mail: gary.clifton@racelogic.co.uk Website: www.racelogic.co.uk
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 Unit 10, Swan Business Centre Osier Way Buckingham Buckinghamshire MK18 1TB United Kingdom	Local contact Gary Clifton	Electrical A
Address 40000 Grand River Ave Suite 100 Novi MI 48375-2133 United States of America	Local contact Mark Josephs	Electrical B
Address Schanzenfeldstrabe 2 Wetzler 35578 Germany	Local contact Daniel Alger	Electrical C



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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty ($k = 2$)	Remarks	Location Code
Electrical measurement capabilities listed below follow the method of direct comparison against laboratory references or established ratio techniques unless otherwise stated in the remark Column.				
ELECTRICAL				A, B, C
DC Voltage Measurement	0 to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 32 V	10 μ V 40 μ V 350 μ V 2.50 mV	Using a digital multimeter	
Frequency GPS Receiver Measurement	10 MHz reference 30 Hz to 3 GHz	0.02 Hz 2 parts in 10^8	Using a counter Can be reported as elapsed time for repetitive events. $1/f$.	
Simulated Speed	5 km/h 10 km/h 30 km/h 60 km/h 100 km/h 200 km/h 500 km/h	0.023 km/h 0.024 km/h 0.028 km/h 0.039 km/h 0.057 km/h 0.11 km/h 0.27 km/h	Using a counter and GNSS Simulator to simulate speed and heading	
Simulated Heading	0 ° to 359.9 °	0.019 °		
END				



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