Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

28153

Accredited to ISO/IEC 17025:2017

Carl Zeiss Limited

Issue No: 002 **Issue date:** 24 June 2026

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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
Carl Zeiss Ltd Unit 3 Mulberry Enterprise Park Coventry Road Lutterworth LE17 4WZ **Local contact** Tim Collier	Administration only	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Address At customer's premises 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.	Dimensional	B

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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
Cartesian co-ordinate measuring machines (CMM)	Length Measurement tests: E_L Over a 0 mm to 2333 mm measurement line, using end standards.	0.080 + (0.25 x length in m) µm	ISO 10360-2:2009. Test value uncertainties based on ISO/TS 23165:2006.	B
	Single stylus probing test: $P_{Form.Sph.1×25:SS:Tact}$ $P_{Size.Sph.1×25:SS:Tact}$ Using a 10 mm to 51 mm diameter test sphere.	0.050 µm 0.085 µm	ISO 10360-5:2020. Test value uncertainties as ISO/TS 17865:2016.	
	Scanning mode test: $P_{Form.Sph.Scan:k:Tact}$ $P_{Size.Sph.Scan:k:Tact}$ $T_{Sph.Scan:k:Tact}$ Using a 24.9 mm to 25.5 mm diameter test sphere.	0.050 µm 0.085 µm 0.82 seconds	ISO 10360-5:2020. P_{Form} and P_{Size} Test value uncertainties as ISO/TS 17865:2016.	
Cartesian co-ordinate measuring machines with the axis of a rotary table as the fourth axis	Rotary axis test: FR FT FA Radius 50 mm to 206 mm. Using 10 mm to 30 mm diameter test spheres.	0.14 µm 0.14 µm 0.15 µm	ISO 10360-3:2000. Test value uncertainties based on ISO/TS 17865:2016.	B
Notes: The accreditation only covers Cartesian co-ordinate measuring machines with activated temperature compensation.				
END				

UKAS CALIBRATION 28153 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 **Carl Zeiss Limited** **Issue No:** 002 **Issue date:** 24 June 2026
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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: $Q[a, b] = [a^2 + b^2]^{1/2}$