

CERTIFICATE OF CALIBRATION

ISSUED BY **LEE CALIBRATION SERVICES LTD.**

DATE OF ISSUE 24 Apr 2023

CERT NUMBER 24198



0635

LCS

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APPROVED SIGNATORY

N. C. McDonald

G. Lee

E. McDonald ✓

Issued to Total Laboratory Services Ltd.
Blandford Forum
Dorset. DT11 8ST

Order Number 2023052

Description : M3 A used set of metric steel gauge blocks

Serial Number : 45965-1

Cust. Asset No.

Report:-

Basis of calibration is to the accuracy requirements of BS EN ISO 3650:1999 Grade 2

This set of gauge blocks was measured at an ambient temperature of $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$. The gauge blocks were calibrated for length and variation by measurement at 5 points, the centre point and at each corner, and the centre point deviations from nominal size and reported on page 2.

The measured values satisfied the tolerances specified in BS EN ISO 3650:1999 Grade 2

The statement of conformity to the specification is made in accordance with the simple/shared risk decision rule

(REF JCGM 106:2012 Section 8.2) where the expanded uncertainty is \leq than the specification/tolerance.

The uncertainty of measurement is specified on page 2.

Certified by :- B MCDONALD

Comments:-

Traceability :-

Master Set no. :-	12095	Certificate No. :-	14239
Master Set Material :-	steel	Master Expansion Coefficient :-	11.5 ppm / °C
Comparator Used :-	B 1941	Software Version :-	Slipsure 3.2.0.7

Emy
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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LEE CALIBRATION SERVICES LTD.

UKAS ACCREDITED CALIBRATION LABORATORY NO. 0635

Continuation

CERT NUMBER 24198

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Date of Calibration :-

24 Apr 2023

Serial Number :

45965-1

Cust. Asset No.

The centre measured deviation from nominal in units of 0.00001 mm

Nominal (mm)	Deviation
3.00	+7
5.00	+1
10.00	+13

Uncertainty of Measurement (\pm) Units 0.00001 mm

Gauges above 0 mm up to 10 mm 8

The measured values were within the tolerance specified in BS EN ISO 3650:1999 Grade 2

END OF REPORT

