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Research, Development and Manufacturing of Precision Measuring Systems

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Cert.# 090823-001

Certificate of Calibration

Calibration Performed By:

LMI CORPORATION
101 N. ALLOY DR.
FENTON, MI 48430

For:

LMI CORPORATION
101 N. ALLOY DRIVE
FENTON MI 48430

Gage S/N Z1T010
Description GAGE BLOCK
Manufacturer STARRETT
Gage Type GAGE BLOCKS
Unit of Meas. METRIC
Temperature 72 F
Humidity 57 %

Gage ID LMI CORPORATION - Z1T010
Model No.
Tol. + 0.005
Tol. - 0.005
Calibrated By ALAN BAGGETT
As Found Condition In
Calibration Results Passed
Cal. Date 9/8/2023

No Cal. Due Date is reported by LMI. This decision is left to customer to best fit their QMS based on freq. of usage

Test Point Item	Nominal	Tol. +	Tol. -	Before	Deviation	After	Deviation 2	Units
01 - 1.000mm Joe Block	1.0000	1.0050	0.9950	1.0020	0.0020	1.0020	0.0020	mm
02 - 2.000mm Joe Block	2.0000	2.0050	1.9950	2.0020	0.0020	2.0020	0.0020	mm
03 - 2.250mm Joe Block	2.2500	2.2550	2.2450	2.2500	0.0000	2.2500	0.0000	mm
04 - 2.500mm Joe Block	2.5000	2.5050	2.4950	2.4995	-0.0005	2.4995	-0.0005	mm
05 - 3.000mm Joe Block	3.0000	3.0050	2.9950	3.0000	0.0000	3.0000	0.0000	mm
06 - 5.000mm Joe Block	5.0000	5.0050	4.9950	5.0020	0.0020	5.0020	0.0020	mm
07 - 10.000mm Joe Block	10.0000	10.0050	9.9950	10.0030	0.0030	10.0030	0.0030	mm
08 - 15.000mm Joe Block	15.0000	15.0050	14.9950	15.0050	0.0050	15.0050	0.0050	mm
09 - 25.000mm Joe Block	25.0000	25.0050	24.9950	25.0030	0.0030	25.0030	0.0030	mm

Findings

Ref Standard	Gage S/N	Standard Due Date	Uncert	NIST No
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It is hereby certified that the above described instrument conforms to the original manufacturer's specifications and has been calibrated using standards whose accuracies are traceable to the NIST within the limitations of the Institute Calibration Services or have been derived from accepted values of natural physical constants or have been derived by the ratio type of self calibration techniques. Our calibration system satisfies ISO-9001 and IATF 16949 requirements. The reported expanded uncertainty of measurement is stated as the

standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. Measurement Uncertainty is $5.0E-05$ An LMI Lab Scope is available upon request.