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Research, Development and Manufacturing of Precision Measuring Systems

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Cert.# 090823-029

## 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** 177  
**Description** 214-54 MASTER BLOCK  
**Manufacturer** LMI CORPORATION  
**Gage Type** MASTER BLOCK  
**Unit of Meas.** METRIC  
**Temperature** 70 F  
**Humidity** 46 %

**Gage ID** LMI CORPORATION - 177  
**Model No.** LMI 214  
**Tol. +** .01  
**Tol. -** .01  
**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 - 54.00mm Master Step	54.0000	54.0100	53.9900	54.0045	0.0045	54.0045	0.0045	Metric
02 - 22mm Hi - Lo Step	22.0000	22.0100	21.9900	21.9980	-0.0020	21.9980	-0.0020	Metric

**Findings**

Ref Standard	Gage S/N	Standard Due Date	Uncert	NIST No
LMI CORPORATION - 635 005	635 005 970	12/20/2024	3E-05	821/253315

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.