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Research, Development and Manufacturing of Precision Measuring Systems

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Cert.# 082124-007

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 71955046
Description DIGITAL ELECTRONIC MIC HEAD
Manufacturer MITUTOYO
Gage Type MICROMETER
Unit of Meas. INCH/METRIC
Temperature 72 F
Humidity 40 %

Gage ID LMI CORPORATION - 71955046
Model No. 350-351-30
Tol. + 0.0010
Tol. - 0.0010
Calibrated By ALAN BAGGETT
As Found Condition New
Calibration Results Passed
Cal. Date 8/21/2024

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 - 0.100 INCH	0.10000	0.10100	0.09900	0.10005	0.00005	0.10005	0.00005	INCH
02 - 0.200 INCH	0.20000	0.20100	0.19900	0.19995	-0.00005	0.19995	-0.00005	INCH
03 - 0.250 INCH	0.25000	0.25100	0.24900	0.25005	0.00005	0.25005	0.00005	INCH
04 - 0.300 INCH	0.30000	0.30100	0.29900	0.30010	0.00010	0.30010	0.00010	INCH
05 - .350 INCH	0.35000	0.35100	0.34900	0.35000	0.00000	0.35000	0.00000	INCH
06 - .400 INCH	0.40000	0.40100	0.39900	0.40005	0.00005	0.40005	0.00005	INCH
07 - .450 INCH	0.45000	0.45100	0.44900	0.45005	0.00005	0.45005	0.00005	INCH
08 - .500 INCH	0.50000	0.50100	0.49900	0.49990	-0.00010	0.49990	-0.00010	IN
09 - .550 INCH	0.55000	0.55100	0.54900	0.55000	0.00000	0.55000	0.00000	INCH
10 - .600 INCH	0.60000	0.60100	0.59900	0.60005	0.00005	0.60005	0.00005	INCH
11 - .650 INCH	0.65000	0.65100	0.64900	0.65005	0.00005	0.65005	0.00005	INCH
12 - .700 INCH	0.70000	0.70100	0.69900	0.70010	0.00010	0.70010	0.00010	INCH
13 - .750 INCH	0.75000	0.75100	0.74900	0.75005	0.00005	0.75005	0.00005	INCH
14 - .800 INCH	0.80000	0.80100	0.79900	0.80015	0.00015	0.80015	0.00015	INCH
15 - .850 INCH	0.85000	0.85100	0.84900	0.85005	0.00005	0.85005	0.00005	INCH

Findings

Ref Standard	Gage S/N	Standard Due Date	Uncert	NIST No
LMI CORPORATION - 121895.3	121895.3	3/20/2025	2.9E-05	821/261776-99

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.