



Research, Development and Manufacturing of Precision Measuring Systems

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 SK6315
Description 237/238 Mini Calibration Block
Manufacturer LMI CORPORATION
Gage Type MASTER BLOCK
Unit of Meas. METRIC
Temperature 73 F
Humidity 51 %

Gage ID LMI CORPORATION - SK6315
Model No. SK6315
Tol. + .015
Tol. - .015
Calibrated By ALAN BAGGETT
As Found Condition In
Calibration Results Passed
Cal. Date 6/16/2023

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 - 1.00mm Mini Step	1.000	1.015	0.985	1.003	0.003	0.997	-0.002	mm
02 - 2.00mm Mini Step	2.000	2.015	1.985	2.004	0.004	2.001	0.001	mm
03 - 3.00mm Mini Step	3.000	3.015	2.985	3.007	0.007	2.997	-0.003	mm
04 - 4.00mm Mini Step	4.000	4.015	3.985	3.996	-0.004	3.999	-0.001	mm
05 - 5.00mm Mini Step	5.000	5.015	4.985	4.997	-0.002	4.999	-0.001	mm
06 - 6.00mm Mini Step	6.000	6.015	5.985	5.997	-0.002	5.999	-0.001	mm
07 - 7.00mm Mini Step	7.000	7.015	6.985	7.002	0.002	7.000	0.000	mm
08 - 8.00mm Mini Step	8.000	8.015	7.985	8.004	0.004	8.001	0.001	mm
09 - 9.00mm Mini Step	9.000	9.015	8.985	9.000	0.000	9.000	0.000	mm
10 - 10.00mm Mini Step	10.000	10.015	9.985	10.001	0.001	10.002	0.002	mm
11 - 11.00mm Mini Step	11.000	11.015	10.985	10.999	-0.000	11.001	0.001	mm
12 - 12.00mm Mini Step	12.000	12.015	11.985	11.999	-0.000	11.999	-0.001	mm
13 - 13.00mm Mini Step	13.000	13.015	12.985	13.001	0.001	12.995	-0.005	mm
14 - 14.00mm Mini Step	14.000	14.015	13.985	13.998	-0.002	14.001	0.001	mm
15 - 15.00mm Mini Step	15.000	15.015	14.985	15.001	0.001	15.000	0.000	mm

16 - 16.00mm Mini Step	16.000	16.015	15.985	16.003	0.003	15.997	-0.003	mm
17 - 17.00mm Mini Step	17.000	17.015	16.985	17.003	0.003	17.001	0.001	mm
18 - 18.00mm Mini Step	18.000	18.015	17.985	18.003	0.003	17.992	-0.007	mm
19 - 19.00mm Mini Step	19.000	19.015	18.985	19.009	0.009	19.003	0.003	mm
20 - 20.00mm Mini Step	20.000	20.015	19.985	20.005	0.005	19.999	-0.000	mm
21 - 7.00mm Ultra Mini Step	7.000	7.015	6.985	6.996	-0.004	6.996	-0.004	mm
22 - 8.00mm Ultra Mini Step	8.000	8.015	7.985	7.998	-0.002	7.998	-0.002	mm
23 - 9.00mm Ultra Mini Step	9.000	9.015	8.985	8.996	-0.004	8.996	-0.004	mm
24 - 10.00mm Ultra Mini Step	10.000	10.015	9.985	9.998	-0.002	9.998	-0.002	mm
25 - 11.00mm Ultra Mini Step	11.000	11.015	10.985	11.000	0.000	11.000	0.000	mm
26 - 12.00mm Ultra Mini Step	12.000	12.015	11.985	12.000	0.000	12.000	0.000	mm
27 - 13.00mm Ultra Mini Step	13.000	13.015	12.985	13.006	0.006	13.006	0.006	mm
28 - 14.00mm Ultra Mini Step	14.000	14.015	13.985	14.002	0.002	14.002	0.002	mm
29 - 15.00mm Ultra Mini Step	15.000	15.015	14.985	15.010	0.010	15.010	0.010	mm
30 - 16.00mm Ultra Mini Step	16.000	16.015	15.985	16.000	0.000	16.000	0.000	mm
31 - 17.00mm Ultra Mini Step	17.000	17.015	16.985	17.008	0.008	17.008	0.008	mm
32 - 18.00mm Ultra Mini Step	18.000	18.015	17.985	18.002	0.002	18.002	0.002	mm
33 - 19.00mm Ultra Mini Step	19.000	19.015	18.985	19.006	0.006	19.006	0.006	mm
34 - 20.00mm Ultra Mini Step	20.000	20.015	19.985	20.006	0.006	20.006	0.006	mm
35 - 21.00mm Ultra Mini Step	21.000	21.015	20.985	21.004	0.004	21.004	0.004	mm
36 - 22.00mm Ultra Mini Step	22.000	22.015	21.985	22.012	0.012	22.012	0.012	mm
37 - 23.00mm Ultra Mini Step	23.000	23.015	22.985	23.012	0.012	23.012	0.012	mm
38 - 24.00mm Ultra Mini Step	24.000	24.015	23.985	24.014	0.014	24.014	0.014	mm
39 - 25.00mm Ultra Mini Step	25.000	25.015	24.985	25.014	0.014	25.014	0.014	mm

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
LMI CORPORATION - 466	466	6/22/2023	0.003361	821/253515

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.