



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

<b>Gage S/N</b>	SK4616	<b>Gage ID</b>	LMI CORPORATION - SK4616
<b>Description</b>	SK4616 237ULTRA MINI INSPECTION FIXTURE	<b>Model No.</b>	SK4616
<b>Manufacturer</b>	LMI CORPORATION	<b>Tol. +</b>	.01
<b>Gage Type</b>	GAP MASTER BLOCK	<b>Tol. -</b>	.01
<b>Unit of Meas.</b>	METRIC	<b>Calibrated By</b>	ALAN BAGGETT
<b>Temperature</b>	72 F	<b>As Found Condition</b>	In
<b>Humidity</b>	41 %	<b>Calibration Results</b>	Passed
		<b>Cal. Date</b>	8/20/2021

**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 Gap Check	9.5000	9.5100	9.4900	9.5060	0.0060	9.5060	0.0060	Metric
02 - 2.00mm Gap Check	10.5000	10.5100	10.4900	10.5011	0.0011	10.5011	0.0011	Metric
03 - 3.00mm Gap Check	11.5000	11.5100	11.4900	11.4952	-0.0048	11.4952	-0.0048	Metric
04 - 4.00mm Gap Check	12.5000	12.5100	12.4900	12.4957	-0.0043	12.4957	-0.0043	Metric
05 - 5.00mm Gap Check	13.5000	13.5100	13.4900	13.4974	-0.0026	13.4974	-0.0026	Metric
06 - 6.00mm Gap Check	14.5000	14.5100	14.4900	14.4950	-0.0050	14.4950	-0.0050	Metric
07 - 7.00mm Gap Check	15.5000	15.5100	15.4900	15.4985	-0.0015	15.4985	-0.0015	Metric
08 - 8.00mm Gap Check	16.5000	16.5100	16.4900	16.4913	-0.0087	16.4913	-0.0087	Metric
09 - 9.00mm Gap Check	17.5000	17.5100	17.4900	17.4924	-0.0076	17.4924	-0.0076	Metric

**Findings**

Ref Standard	Gage S/N	Standard Due Date	Uncert	NIST No
LMI CORPORATION - 5C610227	5C610227	8/3/2022	.....	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.