

**CERTIFICATE OF  
 CALIBRATION**



Certificate No. ACT-1272

<b>CERTIFICATION NUMBER</b>	CP134-00174-840	<b>IDENTIFICATION</b>	HG-001E
<b>FOR</b>	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	<b>SERIAL NUMBER</b>	174
<b>TEST INSTRUMENT</b>	Gage Blocks Standard 81 Piece Grade AS1	<b>PURCHASE ORDER #</b>	
<b>MAKE</b>	Mitutoyo	<b>PROCEDURES FOLLOWED</b>	HG-001E rev. 2
<b>MODEL</b>	Rectangular Steel	<b>STANDARDS USED</b>	
<b>RANGE</b>	103	<b>INSTRUMENT</b>	<b>SERIAL NUMBER</b>
<b>CUSTOMER LOCATION</b>	Location1 Location2	<b>TRACE NUMBER</b>	<b>NEXT CAL</b>
<b>CONDITION RECEIVED</b>	In Tolerance	FVM-018	C0073-38498-324
<b>CONDITION RETURNED</b>	In Tolerance	FVM-060B	16781927.29
<b>CALIBRATED BY</b>	Paige Larson	FVM-119	LMU-2347
<b>REVIEWED/ISSUED</b>	D.P. 07/29/2025		
<b>CALIBRATION LOCATION</b>	FVM		
<b>ENVIRONMENT</b>	69.0°F, 31.0%RH, 28.92inHg		
<b>CALIBRATION DATE</b>	05/14/2025		
<b>RECALIBRATION DUE</b>	05/14/2026		



**CALIBRATION RESULTS**

\* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	ACTUAL	DEVIATION	UNCERTAINTY
Length	(in)	(in)	(in)	(in)	(in)	(in)
	0.050000	0.049988	0.050012	0.050002	+0.000002	5.8E-6
	0.062500	0.062492	0.062508	0.062505	+0.000005	5.8E-6
	0.078125	0.078117	0.078133	0.078128	+0.000003	5.8E-6
	0.093750	0.093742	0.093758	0.093751	+0.000001	5.8E-6
	0.100000	0.099992	0.100008	0.100004	+0.000004	5.8E-6
	0.100025	0.100017	0.100033	0.100026	+0.000001	5.8E-6
	0.100050	0.100042	0.100058	0.100052	+0.000002	5.8E-6
	0.100075	0.100067	0.100083	0.100075	0.000000	5.8E-6
	0.100100	0.100092	0.100108	0.100101	+0.000001	5.8E-6
	0.100200	0.100192	0.100208	0.100205	+0.000005	5.8E-6
	0.100300	0.100292	0.100308	0.100302	+0.000002	5.8E-6
	0.100400	0.100392	0.100408	0.100403	+0.000003	5.8E-6
	0.100500	0.100492	0.100508	0.100498	-0.000002	5.8E-6
	0.100600	0.100592	0.100608	0.100601	+0.000001	5.8E-6
	0.100700	0.100692	0.100708	0.100698	-0.000002	5.8E-6
	0.100800	0.100792	0.100808	0.100804	+0.000004	5.8E-6
	0.100900	0.100892	0.100908	0.100901	+0.000001	5.8E-6
	0.101000	0.100992	0.101008	0.101000	0.000000	5.8E-6
	0.102000	0.101992	0.102008	0.101998	-0.000002	5.8E-6
	0.103000	0.102992	0.103008	0.102999	-0.000001	5.8E-6
	0.104000	0.103992	0.104008	0.104000	0.000000	5.8E-6
	0.105000	0.104992	0.105008	0.104998	-0.000002	5.8E-6
	0.106000	0.105992	0.106008	0.105994	-0.000006	5.8E-6
	0.107000	0.106992	0.107008	0.106999	-0.000001	5.8E-6
	0.108000	0.107992	0.108008	0.107998	-0.000002	5.8E-6
	0.109000	0.108992	0.109008	0.108995	-0.000005	5.8E-6

# Fox Valley Metrology

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## CERTIFICATE OF CALIBRATION



Certificate No. ACT-1272

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	ACTUAL	DEVIATION	UNCERTAINTY
	0.109375	0.109367	0.109383	0.109371	-0.000004	5.8E-6
	0.110000	0.109992	0.110008	0.110001	+0.000001	5.8E-6
	0.111000	0.110992	0.111008	0.111002	+0.000002	5.8E-6
	0.112000	0.111992	0.112008	0.112003	+0.000003	5.8E-6
	0.113000	0.112992	0.113008	0.113001	+0.000001	5.8E-6
	0.114000	0.113992	0.114008	0.114004	+0.000004	5.8E-6
	0.115000	0.114992	0.115008	0.114999	-0.000001	5.8E-6
	0.116000	0.115992	0.116008	0.116005	+0.000005	5.8E-6
	0.117000	0.116992	0.117008	0.117002	+0.000002	5.8E-6
	0.118000	0.117992	0.118008	0.117999	-0.000001	5.8E-6
	0.119000	0.118992	0.119008	0.119004	+0.000004	5.8E-6
	0.120000	0.119992	0.120008	0.120003	+0.000003	5.8E-6
	0.121000	0.120992	0.121008	0.121001	+0.000001	5.9E-6
	0.122000	0.121992	0.122008	0.121999	-0.000001	5.9E-6
	0.123000	0.122992	0.123008	0.122998	-0.000002	5.9E-6
	0.124000	0.123992	0.124008	0.124001	+0.000001	5.9E-6
	0.125000	0.124992	0.125008	0.125002	+0.000002	5.9E-6
	0.126000	0.125992	0.126008	0.126005	+0.000005	5.9E-6
	0.127000	0.126992	0.127008	0.127004	+0.000004	5.9E-6
	0.128000	0.127992	0.128008	0.128001	+0.000001	5.9E-6
	0.129000	0.128992	0.129008	0.128999	-0.000001	5.9E-6
	0.130000	0.129992	0.130008	0.129998	-0.000002	5.9E-6
	0.131000	0.130992	0.131008	0.131001	+0.000001	5.9E-6
	0.132000	0.131992	0.132008	0.132002	+0.000002	5.9E-6
	0.133000	0.132992	0.133008	0.132999	-0.000001	5.9E-6
	0.134000	0.133992	0.134008	0.134001	+0.000001	5.9E-6
	0.135000	0.134992	0.135008	0.135002	+0.000002	5.9E-6
	0.136000	0.135992	0.136008	0.135999	-0.000001	5.9E-6
	0.137000	0.136992	0.137008	0.136998	-0.000002	5.9E-6
	0.138000	0.137992	0.138008	0.137996	-0.000004	5.9E-6
	0.139000	0.138992	0.139008	0.139001	+0.000001	5.9E-6
	0.140000	0.139992	0.140008	0.140002	+0.000002	5.9E-6
	0.141000	0.140992	0.141008	0.141003	+0.000003	5.9E-6
	0.142000	0.141992	0.142008	0.142001	+0.000001	5.9E-6
	0.143000	0.142992	0.143008	0.143001	+0.000001	5.9E-6
	0.144000	0.143992	0.144008	0.144000	0.000000	5.9E-6
	0.145000	0.144992	0.145008	0.145002	+0.000002	5.9E-6
	0.146000	0.145992	0.146008	0.146004	+0.000004	5.9E-6
	0.147000	0.146992	0.147008	0.147001	+0.000001	5.9E-6
	0.148000	0.147992	0.148008	0.148000	0.000000	5.9E-6
	0.149000	0.148992	0.149008	0.148998	-0.000002	5.9E-6
	0.150000	0.149992	0.150008	0.149999	-0.000001	5.9E-6
	0.200000	0.199992	0.200008	0.199998	-0.000002	5.9E-6
	0.250000	0.249992	0.250008	0.249994	-0.000006	6.0E-6
	0.300000	0.299992	0.300008	0.299999	-0.000001	6.1E-6
	0.350000	0.349992	0.350008	0.349996	-0.000004	6.1E-6
	0.400000	0.399992	0.400008	0.400002	+0.000002	6.2E-6
	0.450000	0.449988	0.450012	0.450001	+0.000001	6.2E-6
	0.500000	0.499988	0.500012	0.500000	0.000000	6.3E-6
	0.550000	0.549988	0.550012	0.550002	+0.000002	6.4E-6
	0.600000	0.599988	0.600012	0.600005	+0.000005	6.4E-6

**CERTIFICATE OF  
 CALIBRATION**



Certificate No. ACT-1272

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	ACTUAL	DEVIATION	UNCERTAINTY
	0.650000	0.649988	0.650012	0.650001	+0.000001	6.5E-6
	0.700000	0.699988	0.700012	0.700006	+0.000006	6.5E-6
	0.750000	0.749988	0.750012	0.750001	+0.000001	6.6E-6
	0.800000	0.799988	0.800012	0.799999	-0.000001	6.7E-6
	0.850000	0.849988	0.850012	0.850002	+0.000002	6.7E-6
	0.900000	0.899988	0.900012	0.900005	+0.000005	6.8E-6
	0.950000	0.949988	0.950012	0.950004	+0.000004	6.8E-6
	1.000000	0.999988	1.000012	1.000001	+0.000001	6.9E-6
	2.000000	1.999984	2.000016	1.999998	-0.000002	8.1E-6
	3.000000	2.999980	3.000020	3.000005	+0.000005	9.3E-6
	4.000000	3.999976	4.000024	3.999997	-0.000003	1.1E-5

**COMMENTS**

Example certificate, actual results and uncertainties will be reported at the time of calibration.  
 Nominal and limits may vary based on actual make/model.

- This certificate shall not be altered in any form or reproduced, except in full, without prior written approval from originating lab. These results relate only to the item(s) calibrated. Form Revision 10: 06/04/2024
- Total expanded measurement uncertainties expressed are based on a confidence level of 95%; coverage factor of (k=2). The statement of compliance in this certificate was issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and uncertainty when determining if the results meet their needs. (This is considered "shared responsibility.") Uncertainties expressed in nominal units.
- The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). Calibration was completed in accordance with ISO/IEC 17025:2017, ANSI/NCCL Z540-1-1994 and ANSI/NCCL Z540.3-2006. Other standards listed upon request.