

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

<p>CERTIFICATION NUMBER CP134-00130-840</p> <p>FOR Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902</p> <p>TEST INSTRUMENT Optical Flat Optical Parallel</p> <p>MAKE Mitutoyo</p> <p>MODEL 157-109</p> <p>CUSTOMER LOCATION Location1 Location2</p> <p>CONDITION RECEIVED In Tolerance</p> <p>CONDITION RETURNED In Tolerance</p> <p>CALIBRATED BY Paige Larson</p> <p>REVIEWED/ISSUED D.P. 07/29/2025</p> <p>CALIBRATION LOCATION FVM</p> <p>ENVIRONMENT 69.0°F, 31.0%RH, 28.92inHg</p> <p>CALIBRATION DATE 05/14/2025</p> <p>RECALIBRATION DUE 05/14/2026</p>	<p>IDENTIFICATION HG-019A</p> <p>SERIAL NUMBER 130</p> <p>PURCHASE ORDER #</p> <p>PROCEDURES FOLLOWED HG-019A rev. 2</p> <p>STANDARDS USED</p> <table border="1"> <thead> <tr> <th>INSTRUMENT</th> <th>SERIAL NUMBER</th> <th>TRACE NUMBER</th> <th>NEXT CAL</th> </tr> </thead> <tbody> <tr> <td>FVM-045</td> <td>LMS-0056A</td> <td>CP041-20137-924</td> <td>01/31/2026</td> </tr> <tr> <td>FVM-047</td> <td></td> <td>C0031-40719-777</td> <td>01/31/2027</td> </tr> <tr> <td>FVM-060B</td> <td>16781927.29</td> <td>C0190-17156-690</td> <td>07/31/2025</td> </tr> <tr> <td>FVM-196</td> <td>4 X 3/4 DS</td> <td>CP041-40381-461</td> <td>01/28/2030</td> </tr> </tbody> </table>	INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL	FVM-045	LMS-0056A	CP041-20137-924	01/31/2026	FVM-047		C0031-40719-777	01/31/2027	FVM-060B	16781927.29	C0190-17156-690	07/31/2025	FVM-196	4 X 3/4 DS	CP041-40381-461	01/28/2030
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CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Top	(in)	(in)	(in)	(in)	(in)	(in)
Height	0.500000	0.500000	0.500400	0.500392	0.500392	8.4E-6
Flatness	0.000000	0.000000	0.000004	0.000002	0.000002	5.4E-6
Parallel	0.000000	0.000000	0.000008	0.000008	0.000008	6.7E-6
Bottom	(in)	(in)	(in)	(in)	(in)	(in)
Height	0.500000	0.500000	0.500400	0.500398	0.500398	8.4E-6
Flatness	0.000000	0.000000	0.000004	0.000002	0.000002	5.4E-6
Parallel	0.000000	0.000000	0.000008	0.000007	0.000007	6.7E-6

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.

Fox Valley Metrology

3114 Medalist Drive

Oshkosh, WI 54902

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CERTIFICATE OF CALIBRATION



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- 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/NCSL Z540-1-1994 and ANSI/NCSL Z540.3-2006. Other standards listed upon request.
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