

**CERTIFICATE OF  
 CALIBRATION**



Certificate No. ACT-1272

<p><b>CERTIFICATION NUMBER</b> CP134-00080-840</p> <p><b>FOR</b> Sample Manufacturing          3121 Medalist Drive          Oshkosh, WI 54902</p> <p><b>TEST INSTRUMENT</b> Thread Depth Master</p> <p><b>MAKE</b> Leitech  <b>MODEL</b> English</p> <p><b>CUSTOMER LOCATION</b> Location1          Location2</p> <p><b>CONDITION RECEIVED</b> In Tolerance  <b>CONDITION RETURNED</b> In Tolerance  <b>CALIBRATED BY</b> Laura Fuhrmann  <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</p>	<p><b>IDENTIFICATION</b> HG-022A</p> <p><b>SERIAL NUMBER</b> 80</p> <p><b>PURCHASE ORDER #</b></p> <p><b>PROCEDURES FOLLOWED</b>          HG-022A rev. 1</p> <p><b>STANDARDS USED</b></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>FVB-001D</td> <td>16782869</td> <td>C0144-29456-591</td> <td>05/31/2025</td> </tr> <tr> <td>FVB-174</td> <td>LR-888-069</td> <td>CP008-67565-883</td> <td>06/18/2025</td> </tr> </tbody> </table>	INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL	FVB-001D	16782869	C0144-29456-591	05/31/2025	FVB-174	LR-888-069	CP008-67565-883	06/18/2025
INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL										
FVB-001D	16782869	C0144-29456-591	05/31/2025										
FVB-174	LR-888-069	CP008-67565-883	06/18/2025										



**CALIBRATION RESULTS**

\* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Depth	(in)	(in)	(in)	(in)	(in)	(in)
64	0.40800	0.40400	0.41200	0.40670	0.40670	1.2E-5
	0.40800	0.40400	0.41200	0.41175	0.41175	1.3E-5
	0.40800	0.40400	0.41200	0.40622	0.40622	1.2E-5
	0.40800	0.40400	0.41200	0.40566	0.40566	1.2E-5
	0.40800	0.40400	0.41200	0.40700	0.40700	1.2E-5
56	0.40900	0.40500	0.41300	0.40785	0.40785	1.2E-5
	0.40900	0.40500	0.41300	0.40696	0.40696	1.2E-5
	0.40900	0.40500	0.41300	0.40663	0.40663	1.2E-5
	0.40900	0.40500	0.41300	0.40716	0.40716	1.2E-5
	0.40900	0.40500	0.41300	0.40758	0.40758	1.2E-5
48	0.41000	0.40600	0.41400	0.41244	0.41244	1.3E-5
	0.41000	0.40600	0.41400	0.40802	0.40802	1.2E-5
	0.41000	0.40600	0.41400	0.40784	0.40784	1.2E-5
	0.41000	0.40600	0.41400	0.40804	0.40804	1.2E-5
	0.41000	0.40600	0.41400	0.40880	0.40880	1.3E-5
40	0.41200	0.40800	0.41600	0.41182	0.41182	1.3E-5
	0.41200	0.40800	0.41600	0.41051	0.41051	1.3E-5
	0.41200	0.40800	0.41600	0.41078	0.41078	1.3E-5
	0.41200	0.40800	0.41600	0.41040	0.41040	1.3E-5
	0.41200	0.40800	0.41600	0.41114	0.41114	1.3E-5
36	0.41400	0.41000	0.41800	0.41333	0.41333	1.3E-5
	0.41400	0.41000	0.41800	0.41190	0.41190	1.3E-5
	0.41400	0.41000	0.41800	0.41220	0.41220	1.3E-5

**Fox Valley Metrology**

3114 Medalist Drive

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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
	0.41400	0.41000	0.41800	0.41172	0.41172	1.3E-5
	0.41400	0.41000	0.41800	0.41246	0.41246	1.3E-5
32	0.41600	0.41200	0.42000	0.41506	0.41506	1.3E-5
	0.41600	0.41200	0.42000	0.41412	0.41412	1.3E-5
	0.41600	0.41200	0.42000	0.41508	0.41508	1.3E-5
	0.41600	0.41200	0.42000	0.41497	0.41497	1.3E-5
	0.41600	0.41200	0.42000	0.41512	0.41512	1.3E-5
28	0.41800	0.41400	0.42200	0.41781	0.41781	1.3E-5
	0.41800	0.41400	0.42200	0.41633	0.41633	1.3E-5
	0.41800	0.41400	0.42200	0.41631	0.41631	1.3E-5
	0.41800	0.41400	0.42200	0.41622	0.41622	1.3E-5
	0.41800	0.41400	0.42200	0.41683	0.41683	1.3E-5
26	0.41923	0.41523	0.42323	0.41879	0.41879	1.3E-5
	0.41923	0.41523	0.42323	0.41781	0.41781	1.3E-5
	0.41923	0.41523	0.42323	0.41806	0.41806	1.3E-5
	0.41923	0.41523	0.42323	0.41749	0.41749	1.3E-5
	0.41923	0.41523	0.42323	0.41883	0.41883	1.3E-5
24	0.42100	0.41700	0.42500	0.42021	0.42021	1.3E-5
	0.42100	0.41700	0.42500	0.41926	0.41926	1.3E-5
	0.42100	0.41700	0.42500	0.41934	0.41934	1.3E-5
	0.42100	0.41700	0.42500	0.41940	0.41940	1.3E-5
	0.42100	0.41700	0.42500	0.42026	0.42026	1.3E-5
20	0.42500	0.42100	0.42900	0.42476	0.42476	1.3E-5
	0.42500	0.42100	0.42900	0.42324	0.42324	1.3E-5
	0.42500	0.42100	0.42900	0.42293	0.42293	1.3E-5
	0.42500	0.42100	0.42900	0.42248	0.42248	1.3E-5
	0.42500	0.42100	0.42900	0.42355	0.42355	1.3E-5
19	0.42632	0.42232	0.43032	0.42650	0.42650	1.3E-5
	0.42632	0.42232	0.43032	0.42494	0.42494	1.3E-5
	0.42632	0.42232	0.43032	0.42490	0.42490	1.3E-5
	0.42632	0.42232	0.43032	0.42418	0.42418	1.3E-5
	0.42632	0.42232	0.43032	0.42517	0.42517	1.3E-5
18	0.42800	0.42400	0.43200	0.42808	0.42808	1.3E-5
	0.42800	0.42400	0.43200	0.42691	0.42691	1.3E-5
	0.42800	0.42400	0.43200	0.42690	0.42690	1.3E-5
	0.42800	0.42400	0.43200	0.42604	0.42604	1.3E-5
	0.42800	0.42400	0.43200	0.42699	0.42699	1.3E-5
16	0.43100	0.42700	0.43500	0.43187	0.43187	1.3E-5
	0.43100	0.42700	0.43500	0.43022	0.43022	1.3E-5
	0.43100	0.42700	0.43500	0.42962	0.42962	1.3E-5
	0.43100	0.42700	0.43500	0.42959	0.42959	1.3E-5
	0.43100	0.42700	0.43500	0.43044	0.43044	1.3E-5

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14	0.43600	0.43200	0.44000	0.43500	0.43500	1.3E-5
	0.43600	0.43200	0.44000	0.43318	0.43318	1.3E-5
	0.43600	0.43200	0.44000	0.43228	0.43228	1.3E-5
	0.43600	0.43200	0.44000	0.43213	0.43213	1.3E-5
	0.43600	0.43200	0.44000	0.43306	0.43306	1.3E-5
13	0.43800	0.43400	0.44200	0.43821	0.43821	1.3E-5
	0.43800	0.43400	0.44200	0.43657	0.43657	1.3E-5
	0.43800	0.43400	0.44200	0.43642	0.43642	1.3E-5
	0.43800	0.43400	0.44200	0.43655	0.43655	1.3E-5
	0.43800	0.43400	0.44200	0.43715	0.43715	1.3E-5
12	0.44200	0.43800	0.44600	0.44144	0.44144	1.3E-5
	0.44200	0.43800	0.44600	0.43992	0.43992	1.3E-5
	0.44200	0.43800	0.44600	0.43981	0.43981	1.3E-5
	0.44200	0.43800	0.44600	0.43914	0.43914	1.3E-5
	0.44200	0.43800	0.44600	0.43947	0.43947	1.3E-5
11	0.44500	0.44100	0.44900	0.44543	0.44543	1.3E-5
	0.44500	0.44100	0.44900	0.44399	0.44399	1.3E-5
	0.44500	0.44100	0.44900	0.44398	0.44398	1.3E-5
	0.44500	0.44100	0.44900	0.44277	0.44277	1.3E-5
	0.44500	0.44100	0.44900	0.44402	0.44402	1.3E-5
10	0.45000	0.44600	0.45400	0.44928	0.44928	1.3E-5
	0.45000	0.44600	0.45400	0.44781	0.44781	1.3E-5
	0.45000	0.44600	0.45400	0.44762	0.44762	1.3E-5
	0.45000	0.44600	0.45400	0.44620	0.44620	1.3E-5
	0.45000	0.44600	0.45400	0.44716	0.44716	1.3E-5
9	0.45600	0.45200	0.46000	0.45483	0.45483	1.3E-5
	0.45600	0.45200	0.46000	0.45360	0.45360	1.3E-5
	0.45600	0.45200	0.46000	0.45350	0.45350	1.3E-5
	0.45600	0.45200	0.46000	0.45233	0.45233	1.3E-5
	0.45600	0.45200	0.46000	0.45260	0.45260	1.3E-5
8	0.46300	0.45900	0.46700	0.46201	0.46201	1.3E-5
	0.46300	0.45900	0.46700	0.46132	0.46132	1.3E-5
	0.46300	0.45900	0.46700	0.46089	0.46089	1.3E-5
	0.46300	0.45900	0.46700	0.46002	0.46002	1.3E-5
	0.46300	0.45900	0.46700	0.46037	0.46037	1.3E-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/NCSL Z540-1-1994 and ANSI/NCSL Z540.3-2006. Other standards listed upon request.