

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00083-840	IDENTIFICATION	EL-048B
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	83
TEST INSTRUMENT	Vibration Analyzer	PURCHASE ORDER #	
MAKE	Extech Instruments	PROCEDURES FOLLOWED	EL-048B rev. 2
MODEL	407860	STANDARDS USED	
CUSTOMER LOCATION	Location1 Location2	INSTRUMENT	SERIAL NUMBER
CONDITION RECEIVED	In Tolerance	FVS-214A	138
CONDITION RETURNED	In Tolerance	FVS-214B	1217
CALIBRATED BY	John Svoboda	FVS-214G	MY41027777
REVIEWED/ISSUED	D.P. 07/29/2025	FVS-275E	16783134
CALIBRATION LOCATION	FVM	FVS-695	30724
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg	TRACE NUMBER	NEXT CAL
CALIBRATION DATE	05/14/2025	CP091-48821-930	04/30/2026
RECALIBRATION DUE	05/14/2026	CP091-50019-822	04/30/2026
		CP091-43528-548	04/30/2026
		C0134-20963-690	05/31/2025
		CP091-45189-930	04/30/2026



CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Acceleration	(m/s ²)					
Zero						
RMS	0.0	-0.2	0.2	0.0	0.0	6.0E-2
Peak	0.0	-0.2	0.2	0.2	0.2	6.0E-2
Acceleration	(m/s ²)					
Gain						
RMS	10.0	9.3	10.7	10.0	10.0	6.0E-2
Velocity Gain	(mm/s)	(mm/s)	(mm/s)	(mm/s)	(mm/s)	(mm/s)
RMS	10.0	9.3	10.7	9.9	9.9	6.0E-2
Acceleration accuracy						
1g at 100Hz	1.00	0.93	1.07	0.99	0.99	6.0E-3
Acceleration Flatness						
1g at 20 Hz	1.00			0.99	0.99	
1g at 200Hz	1.00			0.96	0.96	
1g at 400Hz	1.00			0.93	0.93	
1g at 600Hz	1.00			0.94	0.94	
1g at 800Hz	1.00			0.95	0.95	
1g at 1000Hz	1.00			0.95	0.95	

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

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Oshkosh, WI 54902

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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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