

Fox Valley Metrology

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CERTIFICATE OF CALIBRATION



Certificate No. ACT-1272

<p>CERTIFICATION NUMBER CP134-00058-840</p> <p>FOR Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902</p> <p>TEST INSTRUMENT LISN</p> <p>MAKE Solar Electronics Company MODEL 9233-50-TS-50-N RANGE 10kHz-10MHz</p> <p>CUSTOMER LOCATION Location1 Location2</p> <p>CONDITION RECEIVED In Tolerance CONDITION RETURNED In Tolerance CALIBRATED BY Christopher Melah REVIEWED/ISSUED D.P. 07/29/2025 CALIBRATION LOCATION FVM ENVIRONMENT 69.0°F, 31.0%RH, 28.92inHg CALIBRATION DATE 05/14/2025 RECALIBRATION DUE 05/14/2026</p>	<p>IDENTIFICATION EL-060A</p> <p>SERIAL NUMBER 58</p> <p>PURCHASE ORDER #</p> <p>PROCEDURES FOLLOWED EL-060A rev. 1</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>FVS-566</td> <td>7056</td> <td>CP073-35304-816</td> <td>03/31/2026</td> </tr> <tr> <td>FVS-A44D</td> <td>A552D41404976</td> <td>CP016-27436-690</td> <td>01/31/2026</td> </tr> </tbody> </table>	INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL	FVS-566	7056	CP073-35304-816	03/31/2026	FVS-A44D	A552D41404976	CP016-27436-690	01/31/2026
INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL										
FVS-566	7056	CP073-35304-816	03/31/2026										
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CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
IMPEDANCE						
Mains	(Ohms)	(Ohms)	(Ohms)	(Ohms)	(Ohms)	(Ohms)
Unterminated						
@0.01 MHz	5.29	4.23	6.35	5.29	5.29	6.0E-3
@0.015 MHz	6.18	4.94	7.41	6.18	6.18	6.0E-3
@0.02 MHz	7.37	5.90	8.85	7.37	7.37	6.0E-3
@0.025 MHz	8.68	6.94	10.41	8.68	8.68	6.0E-3
@0.03 MHz	10.03	8.02	12.03	10.03	10.03	6.0E-3
@0.04 MHz	12.73	10.19	15.28	12.73	12.73	6.0E-3
@0.05 MHz	15.67	12.54	18.80	15.67	15.67	6.0E-3
@0.06 MHz	18.19	14.55	21.82	18.19	18.19	6.0E-3
@0.07 MHz	20.56	16.45	24.67	20.56	20.56	6.0E-3
@0.08 MHz	22.77	18.22	27.32	22.77	22.77	6.0E-3
@0.09 MHz	24.82	19.85	29.78	24.82	24.82	6.0E-3
@0.1 MHz	26.7	21.4	32.0	26.7	26.7	6.0E-2
@0.15 MHz	33.32	26.66	39.99	33.32	33.32	6.0E-3
@0.17 MHz	35.37	28.30	42.45	35.37	35.37	6.0E-3
@0.2 MHz	37.79	30.24	45.35	37.79	37.79	6.0E-3
@0.25 MHz	40.59	32.47	48.71	40.59	40.59	6.0E-3
@0.3 MHz	42.4	33.9	50.9	42.4	42.4	6.0E-2
@0.35 MHz	43.61	34.89	52.33	43.61	43.61	6.0E-3
@0.4 MHz	44.46	35.57	53.35	44.46	44.46	6.0E-3
@0.5 MHz	45.52	36.42	54.63	45.52	45.52	6.0E-3
@0.6 MHz	46.13	36.91	55.36	46.13	46.13	6.0E-3
@0.7 MHz	46.51	37.21	55.82	46.51	46.51	6.0E-3

**CERTIFICATE OF
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FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
@0.8 MHz	46.77	37.41	56.12	46.77	46.77	6.0E-3
@0.9 MHz	46.94	37.55	56.33	46.94	46.94	6.0E-3
@1 MHz	47.07	37.65	56.48	47.07	47.07	6.0E-3
@1.2 MHz	47.23	37.79	56.68	47.23	47.23	6.0E-3
@1.5 MHz	47.37	37.90	56.85	47.37	47.37	6.0E-3
@2 MHz	47.48	37.98	56.98	47.48	47.48	6.0E-3
@2.5 MHz	47.53	38.02	57.04	47.53	47.53	6.0E-3
@3 MHz	47.56	38.05	57.07	47.56	47.56	6.0E-3
@4 MHz	47.58	38.07	57.10	47.58	47.58	6.0E-3
@5 MHz	47.6	38.1	57.1	47.6	47.6	6.0E-2
@7 MHz	47.61	38.09	57.13	47.61	47.61	6.0E-3
@10 MHz	47.61	38.09	57.14	47.61	47.61	6.0E-3
@20 MHz	47.62	38.09	57.14	47.62	47.62	6.0E-3
@30 MHz	47.62	38.09	57.14	47.62	47.62	6.0E-3
@40 MHz	47.62	38.09	57.14	47.62	47.62	6.0E-3
@50 MHz	47.62	38.10	57.14	47.62	47.62	6.0E-3

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.