

Fox Valley Metrology

3114 Medalist Drive
 Oshkosh, WI 54902
 (920) 426-5894 • Fax (920) 426-8120
<https://www.FoxValleyMetrology.com>

CERTIFICATE OF CALIBRATION



Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00099-840	IDENTIFICATION	EL-072A
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	99
TEST INSTRUMENT	Calibrator Multifunction	PURCHASE ORDER #	
MAKE	Fluke	PROCEDURES FOLLOWED	EL-072A rev. 0
MODEL	5522A-SC1100	STANDARDS USED	
RANGE	1000 MHz	INSTRUMENT	SERIAL NUMBER
CUSTOMER LOCATION	Location1 Location2	FVS-275T	168
CONDITION RECEIVED	In Tolerance	FVS-787	MY59480154
CONDITION RETURNED	In Tolerance	FVS-982	618182363
CALIBRATED BY	Brian L Gliszinski	FVS-A24	111495
REVIEWED/ISSUED	D.P. 07/29/2025	FVS-A25B	654784347
CALIBRATION LOCATION	FVM	FVS-A25C	654784343
ENVIRONMENT	69.0°F, 31.0%RH, 28.92inHg	FVS-A25D	651684293
CALIBRATION DATE	05/14/2025	FVS-A25E	654784471
RECALIBRATION DUE	05/14/2026	FVS-A25F	654784435
		FVS-A26	6525904
		FVS-A27	MY42510078
		FVS-A28	240513477
		FVS-A29A	1105395
		FVS-A29B	1105504
		FVS-A30A	1105520
		FVS-A30B	1105525
		FVS-A30D	1105229
		T-0594	100
			TRACE NUMBER
			C0149-18979-690
			C0096-25039-823
			C0219-40703-524
			C0163-35400-762
			C0179-41881-762
			C0179-41952-762
			C0179-42017-762
			C0193-49250-762
			C0194-39022-762
			C0184-43545-762
			C0214-37796-762
			C0219-37051-762
			C0219-37309-762
			C0219-37398-762
			C0219-37657-762
			C0219-37745-762
			C0219-38000-762
			C0102-38124-663
			NEXT CAL
			05/31/2025
			07/31/2025
			07/31/2025
			06/30/2025
			06/30/2025
			06/30/2025
			06/30/2025
			06/30/2025
			06/30/2025
			05/31/2025
			08/31/2025
			07/31/2025
			07/31/2025
			07/31/2025
			07/31/2025
			07/31/2025
			05/31/2025



CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
FEATURE						
DC VOLTAGE						
Normal Output						
329.9999 mV	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
Range	0.00000	-0.00100	0.00100	0.00058	0.00058	6.0E-6
	329.00000	328.99410	329.00590	329.00030	329.00030	6.0E-6
	-329.00000	-329.00590	-328.99410	-328.99910	-328.99910	6.0E-6
3.299999 V	(V)	(V)	(V)	(V)	(V)	(V)
Range	0.000000	-0.000020	0.000020	-0.000006	-0.000006	6.0E-8
	1.000000	0.999987	1.000013	0.999999	0.999999	6.0E-8
	-1.000000	-1.000013	-0.999987	-0.999994	-0.999994	6.0E-8
	3.290000	3.289961	3.290038	3.290001	3.290001	6.0E-8
	-3.290000	-3.290038	-3.289961	-3.289990	-3.289990	6.0E-8
32.99999 V	0.00000	-0.00002	0.00002	-0.000014	-0.000014	6.0E-7
Range	10.00000	9.99986	10.00014	9.99998	9.99998	6.0E-7
	-10.00000	-10.00014	-9.99986	-10.00017	-10.00017	6.0E-7
	32.90000	32.89958	32.90041	32.89998	32.89998	6.0E-7
	-32.90000	-32.90041	-32.89958	-32.89997	-32.89997	6.0E-7
329.9999 V	50.0000	49.9989	50.0010	49.9998	49.9998	6.0E-6
Range	329.0000	328.9939	329.0060	328.9985	328.9985	6.0E-6

**CERTIFICATE OF
 CALIBRATION**



Certificate No. ACT-1272

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
1000 V Range	-50.00000	-50.00105	-49.99895	-50.00030	-50.00030	6.0E-6
	-329.00000	-329.00607	-328.99393	-328.99910	-328.99910	6.0E-6
	334.00000	333.9925	334.0075	334.0009	334.0009	6.0E-5
	900.00000	899.9823	900.0177	899.9986	899.9986	6.0E-5
	1020.00000	1019.9801	1020.0199	1019.9971	1019.9971	6.0E-5
	-334.00000	-334.0075	-333.9925	-334.0000	-334.0000	6.0E-5
	-900.00000	-900.0150	-899.9850	-899.9981	-899.9981	6.0E-5
	-1020.00000	-1020.0170	-1019.9830	-1019.9971	-1019.9971	6.0E-5
DC VOLTAGE AUX						
329.999 mV Range	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
3.29999 V Range	0.00000	-0.3500	0.3500	0.0066	0.0066	6.0E-5
	329.00000	328.5184	329.4816	329.0012	329.0012	6.0E-5
	-329.00000	-329.4816	-328.5184	-328.9873	-328.9873	6.0E-5
	(V)	(V)	(V)	(V)	(V)	(V)
	0.000000	-0.000350	0.000350	0.000006	0.000006	6.0E-7
7 V Range	3.290000	3.288334	3.291666	3.289969	3.289969	6.0E-7
	-3.290000	-3.291666	-3.288334	-3.289953	-3.289953	6.0E-7
	7.00000	6.99685	7.00315	6.99994	6.99994	6.0E-6
-7.00000	-7.00315	-6.99685	-6.99996	-6.99996	-6.99996	6.0E-6
	DC CURRENT					
329.999 μA Range	(μA)	(μA)	(μA)	(μA)	(μA)	(μA)
3.29999 mA Range	0.00000	-0.0200	0.0200	0.0200	0.0200	6.0E-5
	190.00000	189.9515	190.0485	190.0258	190.0258	6.0E-5
	-190.00000	-190.0485	-189.9515	-189.9828	-189.9828	6.0E-5
	329.00000	328.9306	329.0694	329.0286	329.0286	6.0E-5
	-329.00000	-329.0694	-328.9306	-328.9842	-328.9842	6.0E-5
32.9999 mA Range	(mA)	(mA)	(mA)	(mA)	(mA)	(mA)
	0.000000	-0.000050	0.000050	-0.000032	-0.000032	6.0E-7
	1.900000	1.899760	1.900240	1.899954	1.899954	6.0E-7
	-1.900000	-1.900240	-1.899760	-1.900031	-1.900031	6.0E-7
	3.290000	3.289621	3.290379	3.289941	3.289941	6.0E-7
-3.290000	-3.290000	-3.290379	-3.289621	-3.290023	-3.290023	6.0E-7
	0.00000	-0.00025	0.00025	-0.00021	-0.00021	6.0E-6
	19.00000	18.99785	19.00215	18.99940	18.99940	6.0E-6
	-19.00000	-19.00215	-18.99785	-19.00061	-19.00061	6.0E-6
	32.90000	32.89646	32.90354	32.89940	32.89940	6.0E-6
-32.90000	-32.90354	-32.89646	-32.90064	-32.90064	6.0E-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

(920) 426-5894 • Fax (920) 426-8120

<https://www.FoxValleyMetrology.com>

CERTIFICATE OF CALIBRATION



-
- 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.
-