Fox Valley Metrology
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CERTIFICATE OF CALIBRATION

Certificate No. ACT-1272

CERTIFICATION NUMBER	CP134-00385-840
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902
TEST INSTRUMENT	Current Shunt
MAKE	Empro
MODEL	MLA-50-50
RANGE	50A/50mv
CUSTOMER LOCATION	Location1 Location2
CONDITION RECEIVED	In Tolerance
CONDITION RETURNED	In Tolerance
CALIBRATED BY	Brian L Gliszinski
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

IDENTIFICATION	EL-042A
SERIAL NUMBER	385
PURCHASE ORDER #	

PROCEDURES FOLLOWED

EL-042A rev. 1

STANDARDS USED

INSTRUMENT	SERIAL NUMBER	TRACE NUMBER	NEXT CAL
FVS-169	8300004	CP122-41962-762	07/31/2025
FVS-275E	16783134	CO134-20963-690	07/31/2025

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Current DC	mV(dc)	mV(dc)	mV(dc)	mV(dc)	mV(dc)	mV(dc)
5A	5.000	4.990	5.010	5.000	5.000	6.0E-4
10A	10.000	9.980	10.020	10.000	10.000	6.0E-4
15A	15.000	14.970	15.030	15.000	15.000	6.0E-4
20A	20.000	19.960	20.040	20.000	20.000	6.0E-4

Reviewed

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.