



CALIBRATION REPORT

ORDER No.

APRIL 26, 2022

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MANUFACTURER: OHM-LABS
 DESCRIPTION: HIGH VOLTAGE DIVIDER
 MODEL: KVVB-10-10
 SERIAL:

PROCEDURE: HV CAL
 LAB ENVIRONMENT: 21.6 °C / 40%RH
 CALIBRATION DATE: 26/APR/2022

MEASUREMENT DATA

APPLIED VOLTAGE	RATIO	UNCERTAINTY
2 kV DC	1,000.000 : 1	0.064 : 1
4	1,000.003	0.066
6	1,000.006	0.069
8	1,000.009	0.073
10	1,000.013	0.075

STANDARDS USED

ID	DESCRIPTION	MAKE & MODEL	CAL DUE
AS3701	HIGH VOLTAGE BRIDGE	OHM-LABS HVB	30/JUN/2022
AS3709	HIGH VOLTAGE DIVIDER	OHM-LABS KVVB	31/JUL/2022

COMMENTS:

DIVIDER WAS ALLOWED TO STABILIZE AT EACH APPLIED VOLTAGE. ACTUAL APPLIED VOLTAGES WERE WITHIN 1 % OF NOMINAL VALUES LISTED. THE DIVIDER WAS TESTED ON A 60 CM (24 IN) SQUARE GROUND PLANE.

DC MEASUREMENTS WERE WITH A HIGH VOLTAGE WHEATSTONE CIRCUIT WHICH DOES NOT SIGNIFICANTLY BURDEN THE DC OUTPUT OF THE DIVIDER UNDER TEST. IF A METER IS USED, A CORRECTION MAY NEED TO BE APPLIED FOR THE METER INPUT IMPEDANCE. METER INPUT IMPEDANCE SHOULD BE >10 GΩ TO MINIMIZE ERRORS.

OHM-LABS, INC. CERTIFIES THAT THIS CALIBRATION IS TRACEABLE TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST), OR ANOTHER RECOGNIZED NATIONAL MEASUREMENT INSTITUTE, OR DERIVED BY A RATIO TYPE SELF-CALIBRATION TECHNIQUE, AND IS ACCREDITED TO ISO/IEC 17025:2017. OHM-LABS' QUALITY CONTROL SYSTEM MEETS THE REQUIREMENTS OF ANSI/NCSL Z540-1-1994. THE REPORTED UNCERTAINTIES REPRESENT EXPANDED UNCERTAINTIES EXPRESSED AT A CONFIDENCE LEVEL OF APPROXIMATELY 95 %, USING A COVERAGE FACTOR OF K=2. THIS UNCERTAINTY IS AT THE TIME OF TEST ONLY AND DOES NOT TAKE INTO ACCOUNT TRANSIT, USAGE, DRIFT OVER TIME, OR OTHER FACTORS AFFECTING STABILITY. THIS DOCUMENT RELATES ONLY TO THE ITEMS IDENTIFIED HEREIN, AND IS IN COMPLIANCE WITH ALL REQUIREMENTS OF THE ABOVE REFERENCED PURCHASE ORDER. THE CALIBRATION PERFORMED WAS IN ACCORDANCE WITH THE CURRENT REVISION LEVEL OF OHM-LABS' QUALITY CONTROL SYSTEM. TRAINED AND QUALIFIED PERSONNEL PERFORMED THE CALIBRATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ISO/IEC 17025:2017. THIS CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION OF OHM-LABS, INC.

PERFORMED

REVIEWED B

