Excellence in Resistance

CALIBRATION REPORT

ORDER NO.

SEPTEMBER 27, 2019

MANUFACTURER:	OHM-LABS	PROCEDURE:	CS CAL
DESCRIPTION:	CURRENT SHUNT	LAB ENVIRONMENT:	23.2 °C / 42 %RH
MODEL:	CS-20	CALIBRATION DATE:	27/SEP/2019
SERIAL:			

MEASUREMENT DATA – AS FOUND / AS LEFT		
APPLIED CURRENT	MEASURED VALUE	UNCERTAINTY
4 A	49.997 68 mΩ	3.3 μΩ/Ω
8	49.997 58	3.3
12	49.997 60	2.7
16	49.997 38	2.2
20	49.996 95	4.0

NOTES:
SHUNT WAS ALLOWED TO FULLY STABILIZE AT EACH APPLIED CURRENT.

STANDARDS USED

ID	DESCRIPTION	MAKE & MODEL	CAL DUE
AS3021	RESISTANCE STANDARD	OHM-LABS 202	31/MAR/2020
AS3403	RESISTANCE BRIDGE	GUILDLINE 9975	28/FEB/2020
AS3407	RANGE EXTENDER	GUILDLINE 9923	28/FEB/2020

COMMENTS:

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. 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. THIS CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION OF OHM-LABS, INC.

PERFORMED BY:

REVIEWED BY:

A2LA ACCREDITED
CERTIFICATE #2481.01