Excellence in Resistance

CALIBRATION REPORT

ORDER NO.

OCTOBER 13, 2016

MANUFACTURER: OHM-LABS
DESCRIPTION: CURRENT SHUNT
MODEL: CS-50
SERIAL:

PROCEDURE: CS CAL
LAB ENVIRONMENT: 23.2 °C / 42 %RH
CALIBRATION DATE: 13/OCT/2016
CALIBRATION DUE:

MEASUREMENT DATA – AS FOUND / AS LEFT		
APPLIED CURRENT	MEASURED VALUE	UNCERTAINTY
10 A	9.999 718 mΩ	2.6 μΩ/Ω
20	9.999 770	2.9
30	9.999 860	2.9
40	9.999 908	2.6
50	9.999 847	2.4

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

STANDARDS USED

ID	DESCRIPTION	MAKE & MODEL	CAL DUE
AS3012	RESISTANCE STANDARD	OHM-LABS 201	30/APR/2017
AS3401	RESISTANCE BRIDGE	GUILDLINE 9920	28/FEB/2017

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 CERTIFIES THAT THE ITEMS IDENTIFIED HEREIN COMPLY WITH ALL REQUIREMENTS OF THE ABOVE PURCHASE ORDER, AND THAT 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 BY OHM-LABS, INC.

PERFORMED BY:

REVIEWED BY:

Calibration
ACCREDITED
Cert # 2481.01