



MANUFACTURER: OHM-LABS, INC.  
DESCRIPTION: CURRENT SHUNT  
MODEL: CS-1000  
SERIAL:

PROCEDURE: CS CAL  
LAB ENVIRONMENT: 23 °C / 28 %RH  
CALIBRATION DATE:  
CALIBRATION DUE:

MEASUREMENT DATA

APPLIED A (ELAPSED)	RESISTANCE $\Omega$	MILLI-OHMS $m\Omega$	UNCERTAINTY $\mu\Omega / \Omega$
250	0.000 099 975 05	0.099 975 05	16.0
500	0.000 099 986 05	0.099 986 05	32.5
1000 / 3 Minutes	0.000 099 998 72	0.099 998 72	55.3
1000 / 15 Minutes	0.000 100 008 38	0.100 008 38	29.1

STANDARDS USED

ID	Description	Make & Model	Cal Due
AS3000	RESISTANCE STANDARD	L&N 4210-B	09/AUG/2011
AS3190	RESISTANCE STANDARD	L&N 4221-B	09/AUG/2011
AS3302	THERMOMETER	ASL F26	13/JUL/2011
AS3401	RESISTANCE BRIDGE	GUILDLINE 9920-1	10/FEB/2012

COMMENTS:

OHM-LABS, INC. CERTIFIES THAT THIS CALIBRATION IS TRACEABLE TO A RECOGNIZED NATIONAL MEASUREMENT INSTITUTE, OR DERIVED BY A RATIO TYPE SELF-CALIBRATION TECHNIQUE, AND IS ACCREDITED TO ISO/IEC 17025. OHM-LABS, INC.'S 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 INCLUDES THE STANDARD DEVIATION OF SEVERAL MEASUREMENT RUNS ON SEPARATE DAYS. IT IS CALCULATED AT THE TIME OF TEST ONLY AND DOES NOT TAKE INTO ACCOUNT TRANSIT, USAGE, DRIFT OVER TIME, OR OTHER FACTORS AFFECTING STABILITY. THIS CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION BY OHM-LABS, INC.

Performed by: \_\_\_\_\_, Calibration Technician

Reviewed by: \_\_\_\_\_, Quality Manager

