



CALIBRATION REPORT

September 19, 2011
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MANUFACTURER: OHM-LABS, INC.
DESCRIPTION: CURRENT SHUNT
MODEL: CS-100
SERIAL:

PROCEDURE: CS CAL
LAB ENVIRONMENT: 23 °C / 47 %RH
CALIBRATION DATE: 19/SEPT/2011
CALIBRATION DUE:

MEASUREMENT DATA

<u>APPLIED AMPS</u>	<u>MILLI-OHMS mΩ</u>	<u>UNCERTAINTY μΩ / Ω</u>
25	0.999 961 2	2.6
50	0.999 972 5	3.0
75	0.999 978 9	2.7
100	0.999 974 6	3.1

*NOTE: SHUNT WAS ALLOWED TO STABILIZE 30 MINUTES AT EACH APPLIED CURRENT.

STANDARDS USED

<u>ID</u>	<u>Description</u>	<u>Make & Model</u>	<u>Cal Due</u>
AS3001	RESISTANCE STANDARD	OHM-LABS 200	08/FEB/2012
AS3400	RESISTANCE BRIDGE	GUILDLINE 9975	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' QUALITY CONTROL SYSTEM MEETS THE REQUIREMENTS OF ANSI/NC SL Z540-1-1994. THE REPORTED UNCERTAINTIES REPRESENT EXPANDED UNCERTAINTIES EXPRESSED AT A CONFIDENCE LEVEL OF APPROXIMATELY 95 %, USING A COVERAGE FACTOR OF K=2. IT INCLUDES THE STANDARD DEVIATION OF TWO MEASUREMENT RUNS ON SEPARATE DAYS. 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 CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION BY OHM-LABS, INC.

Performed by

Reviewed by:

