



CALIBRATION REPORT #

PO #  
 May 24, 2011  
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MANUFACTURER:	OHM-LABS, INC.	PROCEDURE:	CS CAL
DESCRIPTION:	CURRENT SHUNT	LAB ENVIRONMENT:	23 °C / 49 %RH
MODEL:	CS-300	CALIBRATION DATE:	24/MAY/2011
SERIAL:		CALIBRATION DUE:	

APPLIED CURRENT	MEASURED VALUE $\Omega$	MICRO-OHMS $\mu\Omega$	THERMISTOR	UNCERTAINTY $\mu\Omega / \Omega$
75 A	0.000 099 976 5	99.976 5	10.9598	38.3
150	0.000 099 981 1	99.981 1	10.3470	41.2
300 (AFTER 3 MINS)	0.000 099 986 5	99.986 5	9.5901	47.5
300 (AFTER 15 MINS)	0.000 100 001 8	100.001 8	8.1913	46.0

STANDARDS USED

ID	Description	Make & Model	Cal Due
AS3001	RESISTANCE STANDARD	OHM LABS 200	09/AUG/2011
AS3620	RESISTANCE STANDARD	OHM-LABS 0.1 $\Omega$	CBU
AS3302	THERMOMETER	ASL F26	13/JUL/2011
AS3401	RESISTANCE BRIDGE	GUILDLINE 9920-1	10/FEB/2012
AS3505	MULTIMETER	HP 3468A	25/MAR/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/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:

Reviewed by

