



MANUFACTURER: OHM-LABS
DESCRIPTION: CURRENT SHUNT
MODEL: CS100
SERIAL: 9167

PROCEDURE: CS CAL
LAB ENVIRONMENT: 24 °C / 14 %RH
CALIBRATION DATE: 29/DEC/2009
CALIBRATION DUE:

<u>APPLIED CURRENT</u>	<u>MEASURED VALUE</u>	<u>MILLI-OHMS</u>	<u>UNCERTAINTY</u>
25 A	0.000 999 972 5 Ω	0.999 972 5 mΩ	3.9 μΩ / Ω
50	0.000 999 976 4	0.999 976 4	3.9
100 (AFTER 3 MINS)	0.000 999 987 8	0.999 987 8	3.8
100 (AFTER 15 MINS)	0.000 999 992 8	0.999 992 8	3.8

STANDARDS USED

<u>ID</u>	<u>Description</u>	<u>Make & Model</u>	<u>Cal Due</u>
AS3000	RESISTANCE STANDARD	L&N 4210-B	16/JAN/2010
AS3302	THERMOMETER	ASL F26	17/JUN/2010
AS3400	RESISTANCE BRIDGE	GUILDLINE 9975	08/JUN/2010
AS3405	RANGE EXTENDER	GUILDLINE 9923	CAL NR

COMMENTS:

The above readings were obtained after settling at applied current, or at the elapsed times noted. Ohm-Labs, Inc. certifies that this current shunt has been calibrated using standards traceable to NIST, or derived by a ratio type self-calibration technique. The reported value is the mean of a series of measurements. The reported uncertainty uses a coverage factor of k=2, giving an approximate 95% confidence level. 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: STIP
Stip, Calibration Technician

Reviewed by: [Signature]
Jay Klevens, Quality Manager





CALIBRATION REPORT #9168

PO #5003431219c

December 29, 2009

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Table with 4 columns: APPLIED CURRENT, MEASURED VALUE, MILLI-OHMS, UNCERTAINTY. Rows include 25 A, 50, 100 (AFTER 3 MINS), and 100 (AFTER 15 MINS).

STANDARDS USED

Table with 4 columns: ID, Description, Make & Model, Cal Due. Rows include AS3000, AS3302, AS3400, and AS3405.

COMMENTS:

The above readings were obtained after settling at applied current, or at the elapsed times noted.

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Performed by: Stip, Calibration Technician

Reviewed by: Jay Klevens, Quality Manager

