



CALIBRATION REPORT [SAMPLE]

ORDER No.
 APRIL 12, 2017
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MANUFACTURER:	OHM-LABS	PROCEDURE:	CS CAL
DESCRIPTION:	CURRENT SHUNT	LAB ENVIRONMENT:	24.1 °C / 40 %RH
MODEL:	CS-1000	CALIBRATION DATE:	12/APR/2017
SERIAL:		CALIBRATION DUE	

MEASUREMENT DATA – AS FOUND / AS LEFT				
APPLIED CURRENT	MEASURED VALUE	UNCERTAINTY	TEMPERATURE	TEMPERATURE UNCERTAINTY
200 A	0.099 987 6 mΩ	24 μΩ/Ω	25.2 °C	1.5 °C
400	0.099 990 1	17	29.9	1.6
600	0.099 997 1	31	38.6	0.8
800	0.100 001 1	13	48.0	1.5
1000	0.099 995 6	24	63.3	0.3

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

STANDARDS USED

ID	DESCRIPTION	MAKE & MODEL	CAL DUE
AS3011	RESISTANCE STANDARD	OHM-LABS 201	30/APR/2017
AS3404	RESISTANCE BRIDGE	GUILDLINE 3000A	28/FEB/2018
AS3322	THERMOMETER, RTD	COLE-PARMER 93400	26/OCT/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: _____
 , CALIBRATION TECHNICIAN

REVIEWED BY: _____
 , DEPUTY QUALITY MANAGER





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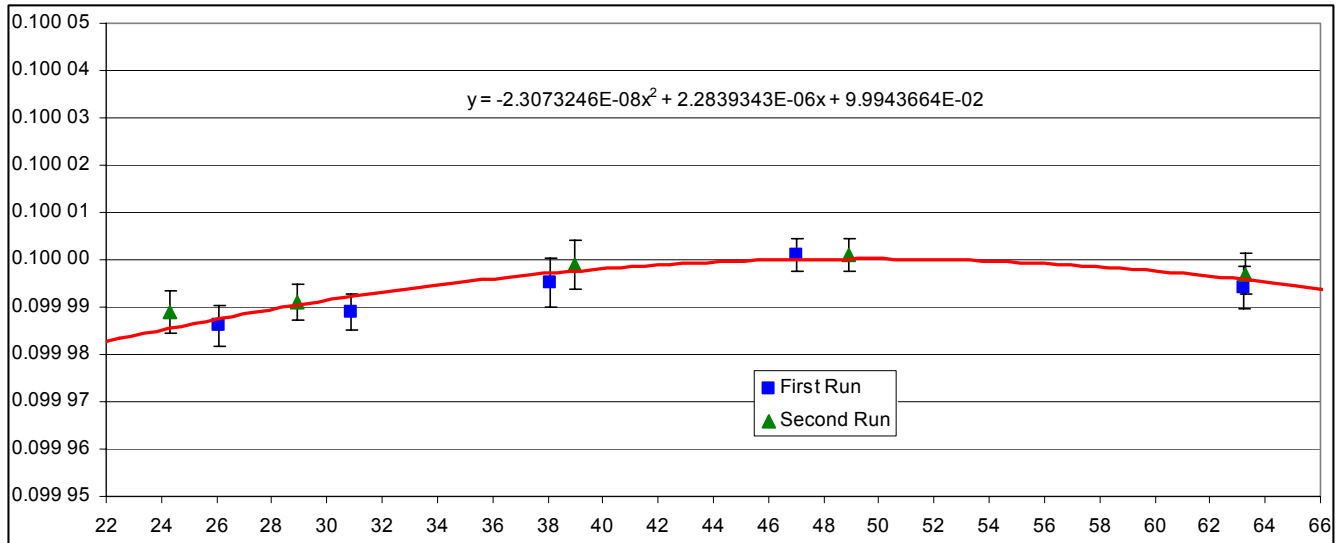
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MANUFACTURER: OHM-LABS

MODEL: CS-1000

SERIAL:

RESISTANCE IN MILLI-OHMS VS. TEMPERATURE IN °C



EQUATION IN ABOVE CHART WAS USED TO CALCULATE VALUES IN BELOW TABLE.

TABLE OF TEMPERATURE VS. RESISTANCE

°C	mΩ	°C	mΩ	°C	mΩ
20	0.099 980 1	40	0.099 998 1	60	0.099 997 6
22	0.099 982 7	42	0.099 998 9	62	0.099 996 6
24	0.099 985 2	44	0.099 999 5	64	0.099 995 3
26	0.099 987 4	46	0.099 999 9	66	0.099 993 9
28	0.099 989 5	48	0.100 000 1	68	0.099 992 3
30	0.099 991 4	50	0.100 000 2	70	0.099 990 5
32	0.099 993 1	52	0.100 000 0	72	0.099 988 5
34	0.099 994 6	54	0.099 999 7	74	0.099 986 3
36	0.099 996 0	56	0.099 999 2	76	0.099 984 0
38	0.099 997 1	58	0.099 998 5	78	0.099 981 4

END OF REPORT.