Excellence in Resistance

CALIBRATION REPORT
PO No.

MANUFACTURER:	OHM-LABS, INC.	PROCEDURE:	RS CAL
DESCRIPTION:	RESISTANCE STANDARD	LAB ENVIRONMENT:	23 °C / 20 %RH
MODEL:	2005	CALIBRATION DATE:	
SERIAL:		CALIBRATION DUE:	

APPLIED	MEASURED VALUE AT 25.0 °C	UNCERTAINTY
100 AMPS	9.999 571 MICRO-OHMS	28 μΩ / Ω
300	9.999 091	26

STANDARDS USED

ID	Description	Make & Model	Cal Due
AS3001	RESISTANCE STANDARD	OHM-LABS 200	18/JUL/2011
AS3191	RESISTANCE STANDARD	L&N 4222-B	CBU
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' 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 CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION BY OHM-LABS, INC.

Performed by:

Reviewed by:

Calibration
ACCREDITED
Cert #2481.01

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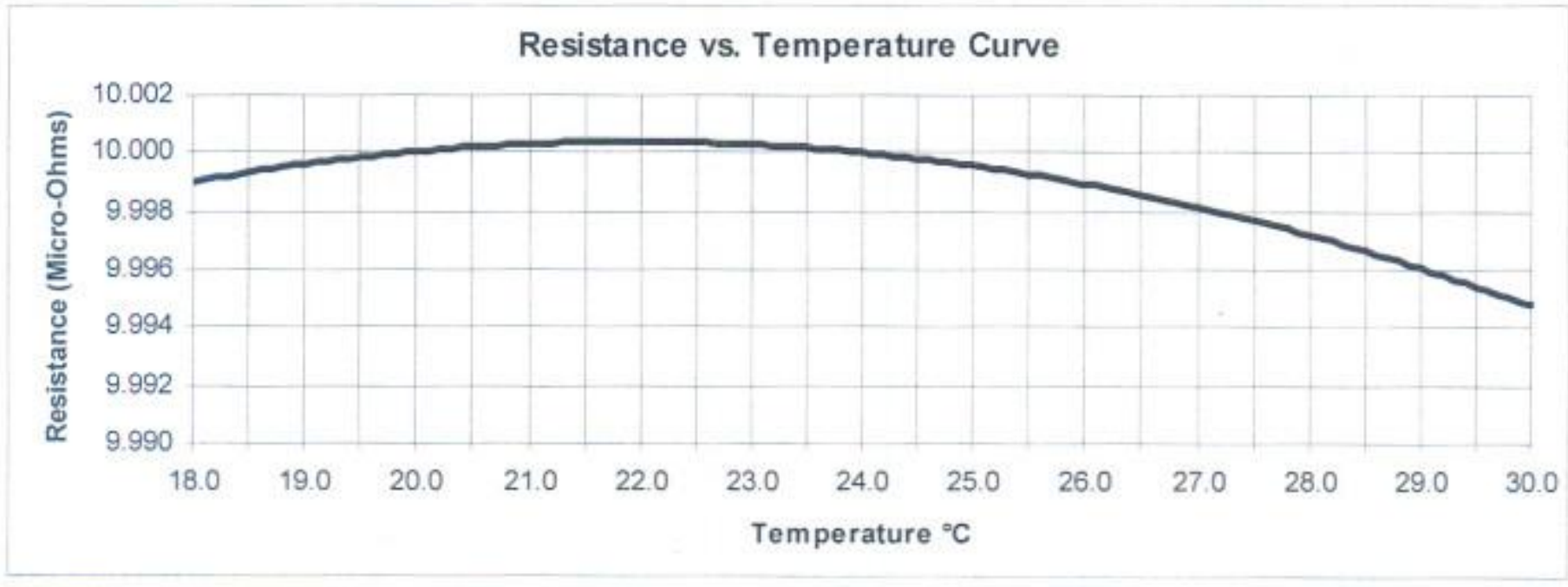
TEMPERATURE COEFFICIENTS OF RESISTANCE, AT 100 AMPS, REFERENCED TO 25.0 °C

α (ALPHA) = -5.27 E-05 β (BETA) = -8.68E-06

TABLE OF CORRECTIONS IN PPM FROM MEASURED VALUE AT 100 AMPS REFERENCED TO 25.0 °C

Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
18	-56.1	-49.3	-42.7	-36.2	-30.0	-23.9	-18.0	-12.2	-6.6	-1.2
19	4.0	9.0	13.9	18.6	23.2	27.5	31.7	35.7	39.5	43.2
20	46.7	50.0	53.2	56.1	58.9	61.6	64.0	66.3	68.4	70.3
21	72.1	73.6	75.1	76.3	77.4	78.2	79.0	79.5	79.9	80.1
22	80.1	79.9	79.6	79.1	78.4	77.6	76.6	75.4	74.0	72.5
23	70.7	68.9	66.8	64.6	62.1	59.6	56.8	53.9	50.8	47.5
24	44.0	40.4	36.6	32.7	28.5	24.2	19.7	15.0	10.2	5.2
25	0.0	-5.4	-10.9	-16.6	-22.5	-28.5	-34.8	-41.2	-47.7	-54.5
26	-61.4	-68.5	-75.8	-83.2	-90.8	-98.6	-106.6	-114.7	-123.0	-131.5
27	-140.2	-149.0	-158.0	-167.2	-176.5	-186.0	-195.7	-205.6	-215.6	-225.9
28	-236.3	-246.8	-257.6	-268.5	-279.6	-290.8	-302.2	-313.9	-325.6	-337.6
29	-349.7	-362.0	-374.5	-387.1	-400.0	-412.9	-426.1	-439.5	-453.0	-466.7



END OF REPORT