



CALIBRATION REPORT

ORDER No.

OCTOBER 11, 2016

PAGE 1 OF 3

MANUFACTURER: OHM-LABS
 DESCRIPTION: RESISTANCE STANDARD
 MODEL: 1001
 SERIAL:

PROCEDURE: RS CAL
 LAB ENVIRONMENT: 23.1 °C / 44 %RH
 CALIBRATION DATE: 11/OCT/2016
 CALIBRATION DUE:

MEASUREMENT DATA		
APPLIED	MEASURED VALUE AT 23.00 +/-0.10 °C	UNCERTAINTY
1 A	99.999 82 mΩ	1.3 μΩ/Ω
3	99.999 19	1.7

STANDARDS USED

ID	DESCRIPTION	MAKE & MODEL	CAL DUE
AS3012	RESISTANCE STANDARD	OHM-LABS 201	30/APR/2017
AS3403	RESISTANCE BRIDGE	GUILDLINE 9975	28/FEB/2017
AS3407	RANGE EXTENDER	GUILDLINE 9923	28/FEB/2017
AS3302	PRECISION THERMOMETER	ASL F26	16/Nov/2016

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/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. 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 

REVIEWED BY: _____



MANUFACTURER: OHM-LABS

MODEL: 1001

SERIAL:

TEMPERATURE COEFFICIENTS OF RESISTANCE, REFERENCED TO 23.0 °C, 1 A APPLIED

α (ALPHA) = +5.00 E-08

β (BETA) = -6.60 E-08

TABLE OF CORRECTIONS IN PPM FROM MEASURED VALUE AT 23.0 °C										
Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
18	-1.9	-1.8	-1.8	-1.7	-1.6	-1.6	-1.5	-1.4	-1.4	-1.3
19	-1.3	-1.2	-1.1	-1.1	-1.0	-1.0	-0.9	-0.9	-0.8	-0.8
20	-0.7	-0.7	-0.7	-0.6	-0.6	-0.5	-0.5	-0.5	-0.4	-0.4
21	-0.4	-0.3	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1
22	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
25	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4
26	-0.4	-0.5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8
27	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.2	-1.3	-1.3
28	-1.4	-1.5	-1.5	-1.6	-1.7	-1.7	-1.8	-1.9	-1.9	-2.0
29	-2.1	-2.2	-2.2	-2.3	-2.4	-2.5	-2.5	-2.6	-2.7	-2.8

TEMPERATURE COEFFICIENTS OF RESISTANCE, REFERENCED TO 23.0 °C, 3 A APPLIED

α (ALPHA) = +6.00 E-08

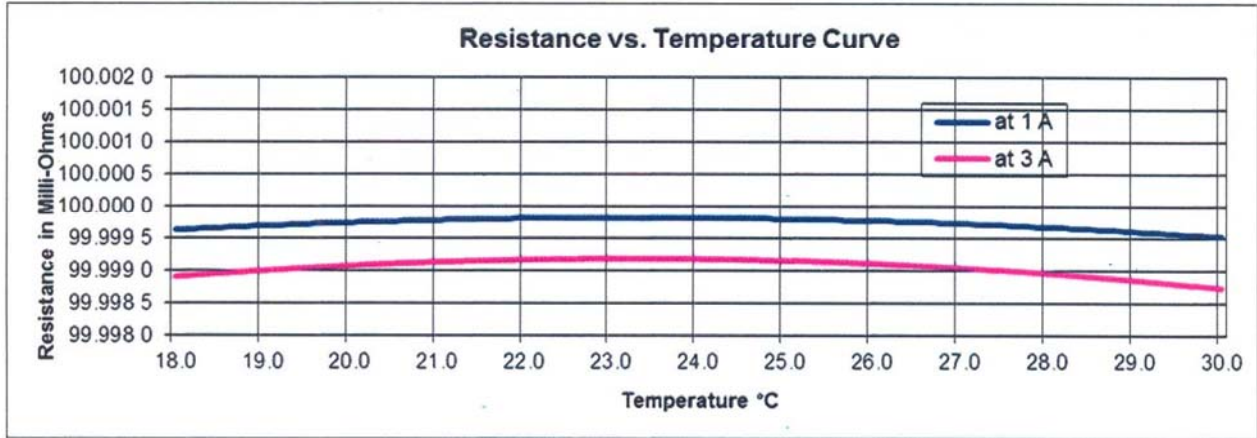
β (BETA) = -1.00 E-07

TABLE OF CORRECTIONS IN PPM FROM MEASURED VALUE AT 23.0 °C										
Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
18	-2.8	-2.7	-2.6	-2.5	-2.4	-2.3	-2.2	-2.1	-2.0	-1.9
19	-1.8	-1.8	-1.7	-1.6	-1.5	-1.4	-1.4	-1.3	-1.2	-1.1
20	-1.1	-1.0	-1.0	-0.9	-0.8	-0.8	-0.7	-0.7	-0.6	-0.6
21	-0.5	-0.5	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2
22	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2
25	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7
26	-0.7	-0.8	-0.8	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.3
27	-1.4	-1.4	-1.5	-1.6	-1.7	-1.8	-1.8	-1.9	-2.0	-2.1
28	-2.2	-2.3	-2.4	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.1
29	-3.2	-3.4	-3.5	-3.6	-3.7	-3.8	-4.0	-4.1	-4.2	-4.3

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SERIAL:



END OF REPORT