

GLOBAL CALIBRATION SERVICES

502 South Lucile Street • Seattle, WA 98108
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CERTIFICATE OF CALIBRATION #148593

Issued To:

**CUSTOMER VIEW SAMPLE
502 SOUTH LUCILE STREET
SEATTLE, WA 98108**

Item ID: 8504**Item Description:** DMM**Item Size:** 3½ DIGIT**Manufacturer:** FLUKE**Model Number:** 23**Serial Number:** 69380533**Assigned Department:** N/A**Item Location:** N/A**Calibration Location:** INHOUSE LAB**Instrument 8504 As Found:** In Tolerance**Instrument 8504 As Left:** In Tolerance**Date Certificate Issued:** 09/26/2011**Purchase Order Number:** 269676**Calibration Date:** 09/26/2011**Calibration Due:** 09/26/2012**Temperature (Deg F):** 72**Humidity (%):** 51**Procedure:** 33K8-4-14-1

SAMPLE



Steve Koski, Technical Specialist

See Page 2 for Calibration Data Sheet.

Global Calibration Services' quality management system conforms to ISO 9001:2008, AS9100 Rev. B, ANSI/NCSL Z540-1, ISO/IEC 17025-2005, ISO 10012:2003, and the technical requirements of the customer's order. All calibrations are performed using internationally recognized standards traceable to the SI Units. Traceability is achieved through the National Institute of Standards and Technology (NIST), other National Measurement Institutes (NMIs), or by using natural physical constraints, Intrinsic standards or ratio calibration techniques. Unless otherwise indicated, the combined estimated uncertainty of the measurement has a coverage factor of k-2 at a confidence level of 95%. Any number of factors may cause the instrument to drift out of specification before the recommended recalibration date contained in this certificate. The information shown on this certificate applies only to the instrument identified above and may not be reproduced, except in full, without prior written consent from Global Calibration Services.

Data Sheet

Certificate Number: 148593

INSTRUMENT SPECIFICATION

VAC: 45 TO 1KHZ: $\pm(2\% \text{ OF READING} + 2 \text{ DIGITS})$
VDC: $\pm(0.3\% \text{ OF READING} + 1 \text{ DIGIT})$
1000V: $\pm(0.4\% \text{ OF READING} + 1 \text{ DIGIT})$
AAC: 45 TO 1KHZ: $\pm(2.5\% \text{ OF READING} + 2 \text{ DIGITS})$
ADC: $\pm(1.5\% \text{ OF READING} + 2 \text{ DIGITS})$ 32 mA AND 10 A
 $\pm(2.0\% \text{ OF READING} + 2 \text{ DIGITS})$ 320 mA
OHMS & DIODE: 320.0 OHMS: $\pm(0.5\% \text{ OF READING} + 2 \text{ DIGITS})$
 $\pm(0.5\% \text{ OF READING} + 1 \text{ DIGIT})$
32M OHMS: $\pm(2.0\% \text{ OF READING} + 1 \text{ DIGIT})$

INSTRUMENT CONDITION

RECEIVED IN TOLERANCE

STANDARDS USED FOR THIS CALIBRATION

1057 MULTI-PRODUCT CALIBRATOR

Due Date
09/30/2011

TRACEABLE REFERENCE: (1057)1547309-8510020:1278544826

(1057)1547309-8510020:1278596999

CALIBRATION MEASUREMENT DATA

MEASUREMENT	NOMINAL	LOW LIMIT	HIGH LIMIT	AS FOUND	AS LEFT	DEVIATION
300 mVDC	300.0	299.0	301.0	299.9	299.9	-0.1
3 VDC	3.000	2.990	3.010	3.000	3.000	0.000
30 VDC	30.00	29.90	30.10	30.00	30.00	0.00
300 VDC	300.0	299.0	301.0	300.0	300.0	0.0
900 VDC	900.0	895.0	905.0	901.0	901.0	1.0
3 VAC @ 50 Hz	3.000	2.938	3.062	3.006	3.006	0.006
30 VAC @ 400 Hz	30.00	29.38	30.62	30.09	30.09	0.09
300 VAC @ 1 kHz	300.0	293.8	306.2	300.6	300.6	0.6
700 VAC @ 440 Hz	700.0	684.0	716.0	702.0	702.0	2.0
30 mADC	30.00	29.53	30.47	29.85	29.85	-0.15
300 mADC	300.0	295.3	304.7	299.1	299.1	-0.9
9.5 ADC	9.50	9.34	9.66	9.47	9.47	-0.03
300 mAAC @ 1 kHz	300.0	292.3	307.7	300.1	300.1	0.1
190 OHMS	190.0	188.8	191.2	189.8	189.8	-0.2
19 kOHM	19.00	18.89	19.11	19.01	19.01	0.01
1.9 Mohm	1.900	1.889	1.911	1.900	1.900	0.000

End of Report 148593