



# SOUTHWEST RESEARCH INSTITUTE®

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Certificate #

0972-01

## Certificate of Calibration

**Submitted By:** DIV20

**Address:** B57

**Contact:** DON BANNON

**Manufacturer Model:** SWRI 10 OHM

**Description:** RESISTOR BOX

**Serial No:** 171002

**Asset No:** 003095

**Procedure:** RESISTOR DECADE/SINGLE, JAN/04

**Work Order:** 303066237

**Date Issued:** Oct 27, 2005

**Calibration Date:** Oct 27, 2005

**\*Calibration Due:** Apr 27, 2006

**Calibration Location:** Bldg. 64

**Environment:** Temp. 72.0°F Hum. 40 %RH

**\*\*Data Type:** FOUND-LEFT

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 1999, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

\*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. \*\*Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement Report with the same Work Order number for data.

Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.

**Remarks:** None

### Standards Used

Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due
007001	2823A21362	HEWLETT-PACKARD	3458A/OPT-002	MULTIMETER	Feb 17, 06

Reviewed by: blt ( ) jrg ( ) pwc ( ) wsh ( )

Metrology Technician

m:\a2la1.rpt Rev date August 15, 2005

Measurements by: Paul Depmore

Metrology Technician

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Southwest Research Institute  
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Measurement Report

Work Order:	303066237	Mfr.	SWRI	Technician	PRD
Asset No.	003095	Model	10 OHM		
Serial No.	171002	Type.	Resistor	Cal Date.	27-Oct-05
Remarks:					

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Resistance	Ohm	Ohm	Ohm	Ohm	Ohm	Result
G-W	10.00	10.07	0.07	0.10	0.00075	Pass
G-R	10.00	10.07	0.07	0.10	0.00075	Pass

END OF REPORT