



SOUTHWEST RESEARCH INSTITUTE™

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Institute Quality Systems
Institute Calibration Laboratory
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Certificate of Calibration

Submitted By: DIV20

Address: T1

Contact: RON GREEN

Manufacturer Model: FLUKE 2620A-100

Description: INPUT MODULE

Serial No: 10466

Asset No: 010466

Procedure: MULTIMETERS, DEC/02

Work Order: 444055467

Date Issued: Sep 24, 2003

Calibration Date: Sep 24, 2003

****Calibration Due:** Mar 24, 2004

Calibration Location: Bldg. 64

Environment: Temp. 72.0°F Hum. 38 %RH

***As Found:** IN TOLERANCE

***As Left:** IN TOLERANCE

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 and ANSI/NCCL Z540-1-1994 which are equivalent to relevant requirements of the ISO 9000-1994 series of standards. This certificate may not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. The results of this calibration relate only to the individual instrument described above. This certificate shall not be used to claim product endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government.

Uncertainty evaluation includes the item under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor of k=2 to approximate a 95% confidence level. The calibration process provides a Test Uncertainty Ratio (TUR) of less than or equal to 25% (4:1) of the test limit unless otherwise stated in remarks or an attachment.

*The client has sole responsibility for determination of in/out of tolerance or compliance/noncompliance. An in/out of tolerance opinion is provided for your convenience based only on the Test Instrument (TI) reading(s) and limits as reported. The reported uncertainty relates only to the results at the time of calibration and does not imply any short or long term stability of the TI.

**Calibration interval is determined by the client and does not assure the instrument will remain within tolerance until this date. Any number of factors may cause the instrument to be out of tolerance before the next calibration date.

Remarks: MEASURED VALUE 75.9 DEG.F WITH A MEASUREMENT UNCERTAINTY OF +/-0.13DEG.F., CAL'D WITH 2625A A/N 5129

Standards Used

Asset	Manufacturer	Model	Description	Cal Due
004164	FLUKE	5500A/SC300	CALIBRATOR	Aug 04, 04
008943	KESSLER	0 - 500 DEG F	THERMOMETER	Sep 09, 04

Approved by: Walt Hill
Metrology Group Leader
m:\Nona2\l1.rpt Rev date 15, August 02

Measurements by: Vince Morales
Metrology Technician