



SOUTHWEST RESEARCH INSTITUTE®

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Institute Calibration Laboratory
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Certificate of Calibration

0972-01

Submitted By: DIV20
Address: B57
Contact: DARRELL DUNN
Manufacturer Model: OMEGA DP465-KC-MDSSD
Description: TEMPERATURE METER
Serial No: 3130900
Asset No: 002524
Procedure: TEMPERATURE METERS, OCT/03

Work Order: 303064936
Date Issued: Jul 13, 2005
Calibration Date: Jul 13, 2005
***Calibration Due:** Jan 13, 2006
Calibration Location: Bldg. 64
Environment: Temp. 70.0°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.

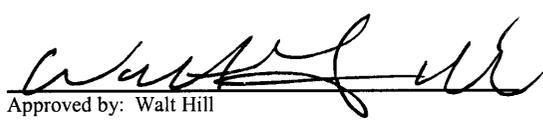
*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility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

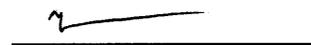
Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.

Remarks: None

Standards Used

Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due
006413	7085202	FLUKE	5520A/SC1100	MULTI-PRODUCT CALIBRATOR	Mar 08, 06


Approved by: Walt Hill
Manager


Measurements by: Curtis Laurence
Metrology Technician

Southwest Research Institute
Calibration Laboratory
Measurement Report

Work Order:	303064936	Mfr:	Omega	Technician:	WCL
Asset No:	002524	Model:	DP465	Cal Date:	13-Jul-05
Serial No:	3130900	Type:	Temperature Meter		
Remarks:					

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Type K	°C	°C	°C	°C	°C	Result
Ch1	0	1	1	2	1.2	Pass
	-200	-198	2	2	1.2	Pass
	320	320	0	2	1.2	Pass
	840	840	0	2	1.2	Pass
	1372	1373	1	2	1.2	Pass
Ch2	1372	1373	1	2	1.2	Pass
Ch3	1372	1373	1	2	1.2	Pass
Ch4	1372	1374	2	2	1.2	Pass
Ch5	1372	1373	1	2	1.2	Pass
Ch6	1372	1373	1	2	1.2	Pass
Ch7	1372	1373	1	2	1.2	Pass
Ch8	1372	1373	1	2	1.2	Pass
Ch9	1372	1373	1	2	1.2	Pass
Ch10	1372	1373	1	2	1.2	Pass

END OF REPORT