



# SOUTHWEST RESEARCH INSTITUTE®

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Calibration Laboratory  
Certificate #0972-01

## Certificate of Calibration

**Submitted By:** DIV20

**Address:** B51

**Contact:** DON BANNON

**Manufacturer / Model:** OMEGA / CT

**Description:** CHART RECORDER

**Serial No:** CT900107442W1

**Asset No:** 012263

**Procedure:** TEMPERATURE, HUMIDITY, DEW-POINT - 3 APR 08

**Work Order:** 303083288

**Date Issued:** Sep 16, 2008

**Calibration Date:** Sep 16, 2008

**\*Calibration Due:** Sep 16, 2009

**Calibration Location:** Bldg. 64

**Environment:** Temp. 74.0°F Hum. 40 %RH

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

**DivID/Location:** N/A

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, 2005, 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:** Calibrated Display only - Chart not calibrated.

### Standards Used

Asset No.	Serial No.	Manufacturer	Model	Description	Cal Due
006404	9806123	THUNDER SCIENTIFIC	2500	HUMIDITY GENERATOR	May 20, 09

Reviewed by: (✓) srk ( ) mar ( ) wgh

Measurements by: Bob Trolling  
Metrology Technician

Southwest Research Institute  
Calibration Laboratory  
Measurement Report

Work Order:	303083288	Mfr:	Omega	Technician:	blt
Asset No:	012263	Model:	CT	Cal Date:	15-Sep-08
Serial No:	See Remarks	Type:	Humidity / Temp meter		
Remarks:	Serial No. CT900107442W1				
Chart Not calibrated - Digital Display Only					

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
HUMIDITY at	%RH	%RH	%RH	%RH	%RH	Result
	34.99	35	0	4	1.3	Pass
	49.95	50	0	4	1.3	Pass
	64.91	67	2	4	1.3	Pass
TEMPERATURE at	°C	°C	°C	°C	°C	
	20.23	20	0	2.0	1.2	Pass
	24.68	24	-1	2.0	1.2	Pass
	29.78	29	-1	2.0	1.2	Pass

END OF REPORT