



RS Calibration
 Services, Inc.
 1047 Serpentine Lane, Suite 500
 Pleasanton, CA 94566
 Phone: (925) 462-4217
 Fax: (925) 426-0092

Certificate of Calibration

"Your Partner in Quality Measurements"



RS Calibration Services, Inc.
 1047 Serpentine Lane
 Pleasanton, California 94566

Description: THERMOMETER, DIGITAL
Manufacturer: HART SCIENTIFIC
Model Number: 1521
Serial Number: A3B073
Additional Info: N/A

Instrument No.: RSCS-375
Calibration Date: 11/21/2006
Next Due Date: 11/21/2007
Calibration Interval: 12 Months
Condition As Found: In Tolerance
Condition As Left: In Tolerance

Calibration Method: CA-021.02
 CA-08.05

Calibration Remarks: N/A

Calibration Data

FUNCTION TESTED	Nominal Value	As Found	As Left	Out of Tol	CALIBRATION TOLERANCE
RTD Resistance Accuracy 0 Ohm	0.0000 Ohm	0.001	Same		-0.0020 to 0.0020 Ohm
25 Ohm	25.0000 Ohm	24.999	Same		24.9980 to 25.0020 Ohm
100 Ohm	100.0000 Ohm	99.994	Same		99.9920 to 100.0080 Ohm
400 Ohm	400.0000 Ohm	399.98	Same		399.9680 to 400.0320 Ohm
Thermistor Resistance Accuracy 0 Ohm	0.0000 Ohm	0.061	Same		-0.4000 to 0.4000 Ohm
2000 Ohm	2000.000 Ohm	1999.96	Same		1999.600 to 2000.400 Ohm
10000 Ohm	10000.00 Ohm	9999.97	Same		9998.00 to 10002.00 Ohm
40000 Ohm	40000.0 Ohm	39997.1	Same		39992.0 to 40008.0 Ohm
100000 Ohm	100000.0 Ohm	99991.5	Same		99980.0 to 100020.0 Ohm
500000 Ohm	500000.0 Ohm	499945	Same		499850.0 to 500150.0 Ohm
RTD Calibration Constant	N/A				Calibration Value
Thermistor Calibration Constant	N/A				Calibration Value

Standards Utilized

Asset	Manufacturer	Model No.	Description	Cal. Date	Due Date
22-RSCS-161	FLUKE	5520A	CALIBRATOR, MULTIPRODUCT	03/29/2006	03/29/2007
22-RSCS-188	MEASUREMENTS INTERI	5420-25	RESISTOR, STANDARD	06/07/2006	06/07/2007
22-RSCS-189	MEASUREMENTS INTERI	5420-100	RESISTOR, STANDARD	06/07/2006	06/07/2007
22-RSCS-191	MEASUREMENTS INTERI	5420-400	RESISTOR, STANDARD	06/08/2006	06/08/2007

Temperature: 24 °C
Humidity: 47 %RH

Calibration Performed By:		Approval Signature	
Goldman, Dan	Technician	Manos, Krystine	21-Nov-2006
Name	Title	Name	Date

RS Calibration Services, Inc.'s calibration procedures and practices comply with ISO-10012-1 formerly MIL-STD 45662A and ANSI/NCSL Z540-1-1994. This Calibration is traceable to NIST. This Certificate/Report may not be reproduced, except in full, without the written approval of RS Calibration Services, Inc. FCA-017.01 Effective Date: 01JUL06