

# INNOCAL — The Choice of Quality

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Unit Under Test (UUT) Identification

Customer Identification

Test Number

A2LA Logo

**INNOCAL**  
 INNOVATIVE CALIBRATION SOLUTIONS  
 625 East Bunker Court  
 Vernon Hills, Illinois  
 TOLL FREE: 1-866-466-6225  
 FAX: 847-247-2984  
 www.InnoCalSolutions.com

**NIST Traceable Calibration Report**

Reference Number: 15204  
 PO Number: 20088050470

John Doe  
 ABC Company  
 0000 Anywhere  
 No where, CA XXXXX

ACCREDITED  
 CALIBRATION CERT 17461

Manufacturer: ABC Company  
 Model Number: 9100-40/08516-75  
 Description: Temperature, Thermocouple, w/probe Type K Air G  
 Asset Number: CP023278  
 Serial Number: L02005955/ P

Calibration Date: 04/14/2008  
 Calibration Due Date: 04/14/2009  
 Calibration Interval: 12 Months  
 Condition As Found: In Tolerance  
 Condition As Left: Limited Range  
 Procedure: 17-20ST-10

Remarks:  
 These items have been calibrated to be used as a system. This calibration meets mfg specs as tested. All measurements are traceable to NIST. Limited calibration from -38 to 420°C. Calibration was performed in T1 input of the meter. Calibration was performed by Camile Leonard. Additional comments were added and certificate was re-issued by Tony Szplit.

Standards Utilized						
Asset No.	Manufacturer	Model No.	Description	Cal. Date	Due Date	
CP05016	Hart Scientific	5615	Thermometer, Platinum Resistance Probe	07/26/2007	07/26/2008	
CP05018	Hart Scientific	5649	Thermocouple Probe, Type R	09/13/2007	09/13/2008	
CPM058	Hart Scientific	1529	Temperature, Thermocouple, THERMOMETER, (	03/11/2008	03/11/2009	
CPM149	Hart Scientific	1529	Temperature, Thermocouple, THERMOMETER, (	09/21/2007	09/21/2008	
CPM151	Hart Scientific	2562	Temperature Indicator, PRT Scanner 8-Channel	09/19/2007	09/19/2008	
CPM154	Hart Scientific	5614	Thermometer, Platinum Resistance Probe	05/31/2007	05/31/2008	
CPM155	Hart Scientific	5614	Thermometer, Platinum Resistance Probe	05/31/2007	05/31/2008	

Calibration Data					
FUNCTION TESTED	Nominal Value	As Found	As Left	Cal. Int.	CALIBRATION TOLERANCE
Temperature Accuracy	-38.834 °C	-39.1	Same		-43.256 to -34.412 °C [TUR 69:1] [EMU 0.064 °C]
	0.010 °C	-0.2	Same		-4.408 to 4.426 °C [TUR 67:1] [EMU 0.066 °C]
	231.928 °C	233.4	Same		227.452 to 236.404 °C [TUR 91:1] [EMU 0.049 °C]
	419.527 °C	417.6	Same		415.051 to 424.003 °C [TUR 20:1] [EMU 0.22 °C]

Temperature: 22° C  
 Humidity: 50% RH  
 Test No.: 27158

Calibration Performed By: Szplit, Tony  
 Metrologist Title: 847-327-5355 Phone

Quality Reviewer: Collins, Bob  
 Date: 5/8/2008

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Technician Remarks

Standards Used

Calibration or Measured Data with uncertainties @ 95% (K=2)

Electronic Signatures

Laboratory Conditions

Statement of compliance to ISO 17025, ANSI/NCSL Z540-1 along with a statement regarding traceability to SI units via national or international standards such as those maintained by NIST. This statement also defines that the measurement uncertainties reported are at a confidence level of 95% or K=2 unless otherwise noted in the Remarks section