



GLOBAL TEST SUPPLY

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3310 Kitty Hawk Road, Suite 100
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Calibration Certificate

Customer: UNIVERSITY OF ARKANSAS

Certificate: 32343-00-1

UNIT IDENTIFICATION

Manufacture: **FLUKE**

Serial: **32170100WS**

Model: **51-2**

ID: **N/A**

Description: **THERMOMETER**

CALIBRATION DATE

Calibration Date: **11-Sep-2015**

Due Date: **11-Sep-2016**

CALIBRATION CONDITIONS

Temperature: **76.68 °F**

Humidity: **47 %**

Barometric Pressure: **N/A**

GENERAL INFORMATION

Procedure: **FLUKE 51-II: (SPEC:1Y) /5500 Rev: 1**

As Received: **Within Specifications**

As Returned: **As Received**

Data Type: **As Found-As Left** Adjusted: **No**

Remark: **N/A**

STANDARDS USED

<u>ID</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Cal Date</u>	<u>Due Date</u>
GTS001	FLUKE	5500A	26-May-2015	26-May-2017

The calibration was performed using measurement standards traceable to the National Measurement Institute Standards (NMIS) part of the National Research Council of Canada (NRC) or the National Institute of Standards and Technology (NIST), or to accepted intrinsic standards or measurement, or is derived by ratio type self-calibration techniques. Measurement uncertainties given in this report are based on a coverage factor of $k=2$ corresponding to a confidence level of approximately 95%.

Calibrated by: **N. Ball**

Approved by:

ALEX H. COFFEY

Certificate: 32343-00-1
Asset: 32170100WS.51-2

Calibration Certificate
Data Type: As Found-As Left

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Test Results

<u>Test Description</u>	<u>True Value</u>	<u>Reading</u>	<u>Lower limit</u>	<u>Upper limit</u>	<u>Units</u>	<u>Test Status</u>	<u>Exp Uncert</u>
BACKLIGHT TEST							
Result of Operator Evaluation						Pass	
----- INPUT T1 -----							
THERMOCOUPLE TYPE J							
1000 °C		1000	999	1001	°C	Pass	6.0e-001 °C
600.0 °C		600.2	599.4	600.6	°C	Pass	1.4e-001 °C
300.0 °C		300.2	299.6	300.4	°C	Pass	1.4e-001 °C
100.0 °C		100.2	99.7	100.3	°C	Pass	1.2e-001 °C
0.0 °C		0.1	-0.3	0.3	°C	Pass	1.2e-001 °C
-150.0 °C		-149.8	-150.6	-149.4	°C	Pass	2.2e-001 °C
THERMOCOUPLE TYPE K							
1300 °C		1300	1299	1301	°C	Pass	6.6e-001 °C
1000 °C		1000	999	1001	°C	Pass	6.1e-001 °C
600.0 °C		600.2	599.4	600.6	°C	Pass	2.1e-001 °C
200.0 °C		200.2	199.6	200.4	°C	Pass	2.1e-001 °C
0.0 °C		0.1	-0.3	0.3	°C	Pass	1.4e-001 °C
-150.0 °C		-149.9	-150.6	-149.4	°C	Pass	2.6e-001 °C
HOLD TEST							
Result of Operator Evaluation						Pass	