



Report of Calibration



Procedure: Eurotherm Chessell 5100V; CAL VER/5520; Revision: 1.0.A

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UUT

Made by: Eurotherm
Model: 5100V
Serial No.: IH-M030053
ID No.: N/A
Description: T/RH Controller

Calibration

Report No.: RA1152-R-IH-M030053
Data Type: **As Found / As Left**
Condition: In Tolerance
Adjusted: No
Calibration Date: 4-Jun-2010
Calibration Due: 4-Jun-2011

Customer

Red-D-ARC Truck
10364 Pantera Dr.
Mississauga, ON
L4W 4A7

Environment

Temperature: 24.2°C
Humidity: 46%RH

STATEMENT OF UNCERTAINTY: The reported expanded uncertainty of measurement is stated as the standard measurement uncertainty multiplied by the coverage factor $K = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 percent. The test accuracy ratio (TAR) of this calibration is at least 4:1 unless otherwise stated. Alpha Controls certifies this instrument was calibrated on the date shown using standards traceable to NIST/NRC or accepted intrinsic standards and in compliance with ISO/IEC-17025:2005.

Any statement of compliance is made without taking measurement uncertainty into account and is based on UUT performance against required tolerance only. The customer must ensure equipment calibrated meets the intended use.

Calibration results relate to items calibrated only.

STANDARDS

Instrument	Model	ID No./Serial No.	Traceability No.	Recall Date
Multi-Product Calibrator	Fluke 5520A	ELC-CAL-01	ST3003496	7-May-2011

REMARKS:

Battery was replaced.

Performed by:

Alex Radomishelsky

Reviewed by:

QA Rep.

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<u>Test Description</u>	<u>STD</u>	<u>UUT</u>	<u>Error</u>	<u>Tolerance</u>	<u>Units</u>	<u>P/F</u>	<u>TAR</u>	<u>Uncertainty</u>
TEST RESULTS								
CHANNEL: 1								
@ 0.000 V								
-46 °C	-46.0	-45	1.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								
195 °C	195.0	195	0.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	473	1.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	751	1.0	±4.0	°C	Pass		5.77e-001
CHANNEL: 2								
@ 0.000 V								
-46 °C	-46.0	-46	0.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								
195 °C	195.0	195	0.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	473	1.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	751	1.0	±4.0	°C	Pass		5.77e-001
CHANNEL: 3								
@ 0.000 V								
-46 °C	-46.0	-46	0.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								
195 °C	195.0	194	-1.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	472	0.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	750	0.0	±4.0	°C	Pass		5.77e-001
CHANNEL: 4								
@ 0.000 V								
-46 °C	-46.0	-46	0.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								

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<u>Test Description</u>	<u>STD</u>	<u>UUT</u>	<u>Error</u>	<u>Tolerance</u>	<u>Units</u>	<u>P/F</u>	<u>TAR</u>	<u>Uncertainty</u>
195 °C	195.0	194	-1.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	472	0.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	750	0.0	±4.0	°C	Pass		5.77e-001
CHANNEL: 5								
@ 0.000 V								
-46 °C	-46.0	-46	0.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								
195 °C	195.0	195	0.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	473	1.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	751	1.0	±4.0	°C	Pass		5.77e-001
CHANNEL: 6								
@ 0.000 V								
-46 °C	-46.0	-46	0.0	±4.0	°C	Pass		5.77e-001
@ 2.787 V								
195 °C	195.0	195	0.0	±4.0	°C	Pass		5.77e-001
@ 6.013 V								
472 °C	472.0	473	1.0	±4.0	°C	Pass		5.77e-001
@ 9.239 V								
750 °C	750.0	751	1.0	±4.0	°C	Pass		5.77e-001

END OF REPORT

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