

C0068

ASI
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Web: www accuratelab.net
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Customer Name Climate Master
Location Oklahoma City
7300 S.W. 44th

Oklahoma City, OK 73179-
Contact Harry Singh
Phone (405) 745-6000
Fax (405) 745-6058

Calibration Documentation

*This Certificate may not be copied, except in full, without written consent of Accurate Laboratories, Inc.
Service Date is Receive Date unless otherwise noted. Results listed relate only to the items that are tested and/or calibrated.*

Manufacturer: Ohio Semitronix - Amp Transducer **Model:** MCT5-005E
Reference #: C0068 **Location-Dept.:** On-Site-Line 1B **Serial #:** 8041087
Service Date: 12/19/2003 **Typist:** Channa Larson **Temp:** 70.9°
Due Date: 12/19/2004 **Technician:** Jay Shepherd **Humidity:** 29%

Received Condition: In Tolerance
Returned Condition: In Tolerance

Procedure: Mfg Specs
Range: 0-100 Amp

Comments: On-Site 12/19/03.

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
	0.000000	+0.000000	-0.000000	0.000000	0.000000
	10.000000	+0.160000	-0.160000	10.100000	10.100000
	50.000000	+0.750000	-0.750000	50.300000	50.300000
	90.000000	+1.350000	-1.350000	91.000000	91.000000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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ANSI/NGSL Z540-1 1994, ISO 10012-1, and ISO/IEC 17025. All reference standards used are traceable to NIST, Fundamental or Natural
Physical Constants, or by accepted ratiometric techniques.*

OnSite InShop **Authorized Signature:**  **Date:** 12-22-03

C0067

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Manufacturer: Ohio Semitronix - Amp Transducer L1-Current **Model:** MCT5-005E

Reference #: C0067 **Location-Dept.:** On-Site-Line 1B **Serial #:** 8041386

Service Date: 12/19/2003 **Typist:** Channa Larson **Temp:** 70.9°

Due Date: 12/19/2004 **Technician:** Jay Shepherd **Humidity:** 29%

Received Condition: In Tolerance

Procedure: Mfg Specs

Returned Condition: In Tolerance

Range: 0-100 Amp

Comments: On-Site 12/19/03.

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
	0.000000	+0.000000	-0.000000	0.000000	0.000000
	10.000000	+0.160000	-0.160000	10.100000	10.100000
	50.000000	+0.750000	-0.750000	50.200000	50.200000
	90.000000	+1.350000	-1.350000	90.200000	90.200000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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OnSite InShop **Authorized Signature:**  **Date:** 12-22-03

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C0066

Calibration Documentation

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Manufacturer: Ohio St. - Amp Transducer L-2 Curren **Model:** MCT5-005E
Reference #: C0066 **Location-Dept.:** On-Site-Line 1A
Serial #: 8041084
Service Date: 12/19/2003 **Typist:** Channa Larson
Temp: 70.9°
Due Date: 12/19/2004 **Technician:** Jay Shepherd
Humidity: 29%

Received Condition: In Tolerance
Returned Condition: In Tolerance

Procedure: Mfg Specs
Range: 0-100 Amp

Comments: On-Site 12/19/03.

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
	0.000000	+0.000000	-0.000000	0.000000	0.000000
	10.000000	+0.160000	-0.160000	10.160000	10.160000
	50.000000	+0.750000	-0.750000	50.160000	50.160000
	90.000000	+1.350000	-1.350000	90.250000	90.250000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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OnSite InShop **Authorized Signature:**  **Date:** 12-22-03

C0065

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Manufacturer: Ohio - Amp Transducer L1-Current **Model:** MCT5-005E
Reference #: C0065 **Location-Dept.:** On-Site-Line 1A **Serial #:** 8091083
Service Date: 12/19/2003 **Typist:** Channa Larson **Temp:** 70.9°
Due Date: 12/19/2004 **Technician:** Jay Shepherd **Humidity:** 29%

Received Condition: Out of Tolerance
Returned Condition: In Tolerance

Procedure: Mfg Specs
Range: 0-100 Amp

Comments: On-Site 12/19/03.

Standard Name	Standard	Tolerance	Before Reading*	After Reading*
	0.000000	+0.000000	-0.000000	0.000000
	10.000000	+0.160000	-0.160000	10.200000
	50.000000	+0.750000	-0.750000	50.200000
	90.000000	+1.350000	-1.350000	90.200000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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OnSite InShop **Authorized Signature:** Neal Snow **Date:** 12-22-03

20046

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Harry Singh
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405-745-6058

Calibration Documentation

This Certificate may not be copied, except in full, without written consent of Accurate Solutions, Inc.
Service Date is Receive Date unless otherwise noted. Results listed relate only to the items that are tested and/or calibrated.

Service Date Due Date Technician Environment ReportID
09.29.2003 09.29.2004 J. LARSON Temp: 68.8°F 20031001081252
Humidity: 43.0%

Calibration Information

Description Belt Tension Gauge
Manufacturer Kent-Moore
Model BT 33-74
Serial Number C0046
ID Number C0046
Location OKC Lab
Department N/A
Received Condition In Tolerance
Returned Condition In Tolerance
Comments Received on 9-29-03. Calibration completed by J. Shepherd.

Procedure MFG. SPEC.
Range 60-200 lbs

Standard/Applied	Tolerance	Before Readings	After Readings
60.0	10.0±	60.0	60.0
100.0	10.0±	100.0	100.0
140.0	10.0±	140.0	140.0
200.0	10.0±	200.0	200.0

Calibration Equipment Used

Asset#	Manufacture	Model	2nd NIST#	Cal Date	Due Date	NIST#
ALI-O-063	RLB	.001-50		09.11.2003	09.2004	OBS 02-0745

This Company maintains a quality system that meets or exceeds the requirement set forth in the following documents:
ANSI/NCSL Z540-1 1994, ISO 10012-1, and Guide 25. All reference standards used by this company are traceable to NIST, Fundamental or Natural Physical Constants, or by accepted radiometric techniques. The expanded uncertainty of the calibration process should not exceed 25% of the acceptable tolerance given by the manufacturers specifications unless stated in the comments section above.
The below Signature is from an ASI Certified Technician.

OnSite InShop

Authorized Signature: _____



Date: 10-1-03

C0042

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Manufacturer: Omega - Temperature Indicator		Model:
Reference #: C0042	Location-Dept.: On-Site-Line5 RunTest A	Serial #: 4242114
Service Date: 01/09/2004	Typist: Channa Larson	Temp: 70.7°
Due Date: 01/09/2005	Technician: Jay Shepherd	Humidity: 23%
Received Condition: In Tolerance Returned Condition: In Tolerance		Procedure: CP-037-2
Comments: On-Site 1/9/04.		Range: 32-752

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
	32.000000	+2.000000	-2.000000	30.000000	30.000000
	100.000000	+2.000000	-2.000000	98.000000	98.000000
	250.000000	+2.000000	-2.000000	248.000000	248.000000
	500.000000	+2.000000	-2.000000	498.000000	498.000000
	752.000000	+2.000000	-2.000000	752.000000	752.000000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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OnSite InShop **Authorized Signature:**  **Date:** 1-10-04

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C0076

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Manufacturer: Simpson - Amp Meter		Model: 0-50
Reference #: C0076	Location-Dept.: On-Site-Line 6	Serial #:
Service Date: 12/19/2003	Typist: Channa Larson	Temp: 70.9°
Due Date: 12/19/2004	Technician: Jay Shepherd	Humidity: 29%
Received Condition: In Tolerance Returned Condition: In Tolerance		Procedure: Mfg Specs
Comments: On-Site 12/19/03.		Range: 0-50 Amp

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
	10.000000	+0.150000	-0.150000	10.000000	10.000000
	25.000000	+0.375000	-0.375000	25.000000	25.000000
	50.000000	+0.750000	-0.750000	50.000000	50.000000

*Bold reading entries indicate they are out of tolerance.

Calibration Equipment Used

Asset Number	Manufacturer	Model	Calibration Date	Due Date	NIST #
ALI-O-316	Fluke	5500A	10/1/2003	10/1/2004	821/673681

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OnSite InShop **Authorized Signature:**  **Date:** 12-22-03



Calibration Certificate

CLM ID C0369

Description TORQUE SCREW DRIVER

Model 2491 MCX

Serial 2491

Received In Tolerance Out of Tolerance

Returned In Tolerance Out of Tolerance

Service Date 9-19-03 Next Due Date 9-19-04

Technician _____

Temperature _____ Humidity _____

Device Input Range _____

Applied Input	Tolerance	Before Reading	After Reading



CERTIFICATE OF ACCURACY

#2491 MCX Torque Screwdriver +/- 3% + 1/2 in.lb

We certify the accuracy of this tool has been determined by Standards which are traceable to the National Institute of Standards Technology Washington, D.C.

NIST 822/260017-98, 3/13/02 - 821/258030, 1/9/02

SEEKONK MANUFACTURING COMPANY, INC.

SEEKONK, MASSACHUSETTS U.S.A.

Sylvestre Mamoles

9/19/03 CALIBRATION TECHNICIAN