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**Accurate Laboratories, Inc.**  
**1613 S.E. 66th Street, Suite D**  
**Oklahoma City, OK 73149**

405-670-1388 Fax 405-670-0121  
 Web: www accuratelabs.net  
 Email: accuratelabs@accuratelabs.net

**Customer Name** Climate Master  
**Location** Oklahoma City  
 P.O. Box 2540  
 7300 S.W. 44th  
 Oklahoma City, OK 73101-2540  
**Contact** Mike Privett/Steve Cohran  
**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:** TekTronix - Multimeter

**Model:** TX 3

**Reference #:**

**Location-Dept.:** On-Site-Eng. Lab

**Serial #:** B033733

**Service Date:** 02/17/2004

**Typist:** Anita Snow

**Temp:** 74.1°

**Due Date:** 02/17/2005

**Technician:** Jay Shepherd

**Humidity:** 28%

**Received Condition:** In Tolerance

**Procedure:** Mfg Specs

**Returned Condition:** In Tolerance

**Range:** Various

**Comments:** On-Site 02/17/04

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
VDC	0.100000	+0.100200	-0.100100	0.100000	0.100000
VDC	1.000000	+0.102000	-0.102000	1.000000	1.000000
VDC	10.000000	+0.120000	-0.120000	10.000000	10.000000
VDC	100.000000	+0.300000	-0.300000	100.000000	100.000000
VDC	1.000000	+0.102000	-0.102000	1.000000	1.000000
VDC	10.000000	+0.120000	-0.120000	10.000000	10.000000
VDC	100.000000	+0.300000	-0.300000	100.000000	100.000000
VDC	1000.000000	+3.000000	-3.000000	1000.000000	1000.000000
VAC	1.000000	+0.200000	-0.200000	0.900000	0.900000
VAC	10.000000	+0.260000	-0.260000	10.000000	10.000000
VAC	100.000000	+0.800000	-0.800000	100.000000	100.000000
VAC	1.000000	+0.206000	-0.206000	1.000000	1.000000
VAC	10.000000	+0.260000	-0.260000	10.000000	10.000000
VAC	100.000000	+0.800000	-0.800000	100.000000	100.000000
VAC	1000.000000	+8.000000	-8.000000	1001.000000	1001.000000
dBm	-3.000000	+0.020000	-0.020000	-3.010000	-3.010000
dBm	1.000000	+0.026000	-0.026000	1.000000	1.000000
dBm	10.000000	+0.080000	-0.080000	10.000000	10.000000
dBm	30.000000	+0.200000	-0.200000	30.000000	30.000000
dBm	50.000000	+0.320000	-0.320000	50.000000	50.000000
ohms	1.000000	+0.201000	-0.201000	1.100000	1.100000
ohms	10.000000	+0.210000	-0.210000	10.100000	10.100000
ohms	100.000000	+0.300000	-0.300000	100.200000	100.200000
ohms	1.000000	+0.003000	-0.003000	1.000000	1.000000

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**Manufacturer:** AEMC - AC Current Probe **Model:** MN103  
**Reference #:** **Location-Dept.:** On-Site-Eng. Lab **Serial #:** 08J702884DV  
**Service Date:** 02/17/2004 **Typist:** Anita Snow **Temp:** 74.1°  
**Due Date:** 02/17/2005 **Technician:** Jay Shepherd **Humidity:** 28%  
**Received Condition:** In Tolerance **Procedure:** Mfg Specs  
**Returned Condition:** In Tolerance **Range:** see comments  
**Comments:** On-Site 02/17/04. Range: 0-10 AAC/0-100 AAC

Standard Name	Standard	Tolerance	Before Reading*	After Reading*
	1.000000	+0.020000 -0.020000	0.998600	0.998600
	10.000000	+0.200000 -0.200000	9.928000	9.928000
	100.000000	+2.000000 -2.000000	99.284000	99.284000

\*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

*This Company maintains a quality system that meets or exceeds the requirement set forth in the following documents:  
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:** 2-27-04

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**Manufacturer:** Ohio Semitronix - Digital Signal Processor **Model:** DSP 008  
**Reference #:** Cell #6 **Serial #:** 8021663  
**Location-Dept.:** Blower-Eng. Lab  
**Service Date:** 02/16/2004 **Temp:** 68°  
**Typist:** Anita Snow  
**Due Date:** 02/16/2005 **Humidity:** 24%  
**Technician:** Jay Shepherd

**Received Condition:** In Tolerance  
**Returned Condition:** In Tolerance

**Procedure:** Mfg Specs  
**Range:** see comments

**Comments:** On-Site 02/16/04. Range: 0-480 VAC/0-100 Amp/0-60.0 Kw

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
VAC	208.000000	+1.040000	-1.040000	208.200000	208.200000
AAC	9.730000	+0.050000	-0.050000	9.730000	9.730000
AAC	24.320000	+0.125000	-0.125000	24.330000	24.330000
AAC	48.660000	+0.250000	-0.250000	48.680000	48.680000
Watts	2.022000	+0.020000	-0.020000	2.040000	2.040000
Watts	5.060000	+0.026000	-0.026000	5.080000	5.080000
Watts	10.120000	+0.052000	-0.052000	10.160000	10.160000
VAC	230.000000	+1.150000	-1.150000	230.200000	230.200000
AAC	9.720000	+0.050000	-0.050000	9.730000	9.730000
AAC	24.320000	+0.125000	-0.125000	24.330000	24.330000
AAC	48.660000	+0.250000	-0.250000	48.680000	48.680000
Watts	2.240000	+0.100000	-0.100000	2.240000	2.240000
Watts	5.600000	+0.150000	-0.150000	5.620000	5.620000
Watts	11.200000	+0.200000	-0.200000	11.220000	11.220000
VAC	240.000000	+1.200000	-1.200000	240.200000	240.200000
AAC	9.720000	+0.050000	-0.050000	9.720000	9.720000
AAC	24.320000	+0.125000	-0.125000	24.330000	24.330000
AAC	48.600000	+0.250000	-0.250000	48.680000	48.680000
Watts	2.340000	+0.020000	-0.020000	2.360000	2.360000
Watts	5.850000	+0.030000	-0.030000	5.880000	5.880000
Watts	11.670000	+0.060000	-0.060000	11.680000	11.680000
VAC	265.000000	+1.325000	-1.325000	265.200000	265.200000
AAC	9.720000	+0.050000	-0.050000	9.720000	9.720000
AAC	24.320000	+0.125000	-0.125000	24.320000	24.320000

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<b>Manufacturer:</b> Ohio Semitronix - Digital Signal Processor	<b>Model:</b> DSP 008
<b>Reference #:</b> Cell #6	<b>Location-Dept.:</b> Comp #1-Eng. Lab
<b>Service Date:</b> 02/16/2004	<b>Serial #:</b> 8021666
<b>Due Date:</b> 02/16/2005	<b>Temp:</b> 67.8°
<b>Typist:</b> Anita Snow	<b>Humidity:</b> 25%
<b>Technician:</b> Jay Shepherd	<b>Procedure:</b> Mfg Specs
<b>Received Condition:</b> In Tolerance	<b>Range:</b> see comments
<b>Returned Condition:</b> In Tolerance	

**Comments:** On-Site 02/16/04. Range: 0-480 VAC/0-100 Amp/0-60.0 Kw

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
VAC	208.000000	+1.040000	-1.040000	208.100000	208.100000
AAC	19.700000	+0.100000	-0.100000	19.700000	19.700000
AAC	49.300000	+0.250000	-0.250000	49.300000	49.300000
AAC	98.600000	+0.500000	-0.500000	98.600000	98.600000
Watts	4.100000	+0.040000	-0.040000	4.100000	4.100000
Watts	10.260000	+0.100000	-0.100000	10.260000	10.260000
Watts	20.530000	+0.400000	-0.400000	20.600000	20.600000
VAC	230.000000	+1.150000	-1.150000	230.100000	230.100000
AAC	19.700000	+0.100000	-0.100000	19.700000	19.700000
AAC	49.300000	+0.250000	-0.250000	49.300000	49.300000
AAC	98.600000	+0.500000	-0.500000	98.600000	98.600000
Watts	4.530000	+0.040000	-0.040000	4.540000	4.540000
Watts	11.350000	+0.100000	-0.100000	11.340000	11.340000
Watts	22.700000	+0.200000	-0.200000	22.660000	22.660000
VAC	240.000000	+1.200000	-1.200000	240.200000	240.200000
AAC	19.700000	+0.100000	-0.100000	19.700000	19.700000
AAC	49.300000	+0.250000	-0.250000	49.300000	49.300000
AAC	98.600000	+0.500000	-0.500000	98.600000	98.600000
Watts	4.730000	+0.100000	-0.100000	4.740000	4.740000
Watts	11.840000	+0.100000	-0.100000	11.840000	11.840000
Watts	23.680000	+0.300000	-0.300000	23.720000	23.720000
VAC	265.000000	+1.325000	-1.325000	265.100000	265.100000
AAC	19.700000	+0.100000	-0.100000	19.700000	19.700000
AAC	49.300000	+0.250000	-0.250000	49.200000	49.200000

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<b>Manufacturer:</b> Ohio Semitronix - Digital Signal Processor		<b>Model:</b> DSP 008
<b>Reference #:</b> Cell #6	<b>Location-Dept.:</b> Comp #2-	<b>Serial #:</b> 8021664
<b>Service Date:</b> 02/16/2004	<b>Typist:</b> Anita Snow	<b>Temp:</b> 67.8°
<b>Due Date:</b> 02/16/2005	<b>Technician:</b> Jay Shepherd	<b>Humidity:</b> 25%
<b>Received Condition:</b> In Tolerance <b>Returned Condition:</b> In Tolerance		<b>Procedure:</b> Mfg Specs
		<b>Range:</b> see comments

**Comments:** On-Site 02/16/04. Range: 0-480 VAC/0-100 Amp/0-60.0 Kw

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
VAC	208.000000	+1.040000	-1.040000	208.400000	208.400000
AAC	19.700000	+0.100000	-0.100000	19.600000	19.600000
AAC	49.300000	+0.250000	-0.250000	49.300000	49.100000
AAC	98.600000	+0.500000	-0.500000	98.600000	98.300000
Watts	4.100000	+0.040000	-0.040000	4.080000	4.080000
Watts	10.260000	+0.100000	-0.100000	10.240000	10.240000
Watts	20.530000	+0.400000	-0.400000	20.480000	20.480000
VAC	230.000000	+1.150000	-1.150000	230.300000	230.300000
AAC	19.700000	+0.100000	-0.100000	19.600000	19.600000
AAC	49.300000	+0.250000	-0.250000	49.100000	49.100000
AAC	98.600000	+0.500000	-0.500000	98.300000	98.300000
Watts	4.530000	+0.040000	-0.040000	4.500000	4.500000
Watts	11.350000	+0.100000	-0.100000	11.300000	11.300000
Watts	22.700000	+0.200000	-0.200000	22.660000	22.660000
VAC	240.000000	+1.200000	-1.200000	240.300000	240.300000
AAC	19.700000	+0.100000	-0.100000	19.600000	19.600000
AAC	49.300000	+0.250000	-0.250000	49.100000	49.100000
AAC	98.600000	+0.500000	-0.500000	98.300000	98.300000
Watts	4.730000	+0.100000	-0.100000	4.700000	4.700000
Watts	11.840000	+0.100000	-0.100000	11.800000	11.800000
Watts	23.680000	+0.300000	-0.300000	23.660000	23.660000
VAC	265.000000	+1.325000	-1.325000	265.300000	265.300000
AAC	19.700000	+0.100000	-0.100000	19.600000	19.600000
AAC	49.300000	+0.250000	-0.250000	49.100000	49.100000

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<b>Manufacturer:</b> Ohio Semitronix - Digital Signal Processor		<b>Model:</b> DSP 008
<b>Reference #:</b> Cell #6	<b>Location-Dept.:</b> Aux.-Eng. Lab	<b>Serial #:</b> 00121837
<b>Service Date:</b> 02/16/2004	<b>Typist:</b> Anita Snow	<b>Temp:</b> 68.2°
<b>Due Date:</b> 02/16/2005	<b>Technician:</b> Jay Shepherd	<b>Humidity:</b> 26%
<b>Received Condition:</b> In Tolerance <b>Returned Condition:</b> In Tolerance		<b>Procedure:</b> Mfg Specs
		<b>Range:</b> see comments

**Comments:** On-Site 02/16/04. Range: 0-480 VAC/0-100 Amp/0-60.0 Kw

Standard Name	Standard	Tolerance		Before Reading*	After Reading*
VAC	208.000000	+1.040000	-1.040000	208.200000	208.200000
AAC	9.730000	+0.050000	-0.050000	9.750000	9.750000
AAC	24.320000	+0.125000	-0.125000	24.390000	24.390000
AAC	48.660000	+0.250000	-0.250000	48.800000	48.800000
Watts	2.040000	+0.020000	-0.020000	2.060000	2.060000
Watts	5.080000	+0.260000	-0.260000	5.100000	5.100000
Watts	10.150000	+0.052000	-0.052000	10.100000	10.200000
VAC	230.000000	+1.150000	-1.150000	230.200000	230.200000
AAC	9.720000	+0.050000	-0.050000	9.750000	9.750000
AAC	24.320000	+0.125000	-0.125000	24.390000	24.390000
AAC	48.660000	+0.250000	-0.250000	48.810000	48.810000
Watts	2.240000	+0.100000	-0.100000	2.280000	2.280000
Watts	5.600000	+0.150000	-0.150000	5.640000	5.640000
Watts	11.200000	+0.200000	-0.200000	11.280000	11.280000
VAC	240.000000	+1.200000	-1.200000	240.200000	240.200000
AAC	9.720000	+0.050000	-0.050000	9.750000	9.750000
AAC	24.320000	+0.125000	-0.125000	24.390000	24.390000
AAC	48.600000	+0.250000	-0.250000	48.810000	48.810000
Watts	2.360000	+0.020000	-0.020000	2.380000	2.380000
Watts	5.870000	+0.030000	-0.030000	5.900000	5.900000
Watts	11.680000	+0.060000	-0.060000	11.740000	11.740000
VAC	265.000000	+1.325000	-1.325000	265.100000	265.100000
AAC	9.720000	+0.050000	-0.050000	9.750000	9.750000
AAC	24.320000	+0.125000	-0.125000	24.390000	24.390000

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**CERTIFICATE OF CALIBRATION**

**Report ID: 20040601**

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Customer: CLIMATEMASTER Engineering Lab, Cell#6

Technician: Rick Hand

Calibration Equipment Used:

Manufacturer - Amthor, Dead Weight Tester

Model - 2687

Serial - 33

Certificate - #20030213075449

Cal Date: 2/12/03

Due Date: 2/12/06

These Setra Model 206 pressure transducers have been presented for inspection and test as shown below. The indicated work was performed using equipment that is calibrated and traceable to the National Institute of Standards and Technology.

Pressures in (PSIG) pounds per square inch gauge.

Procedure: CLM Engineering Laboratory Calibration Procedures, Pressure Transducer Calibration.

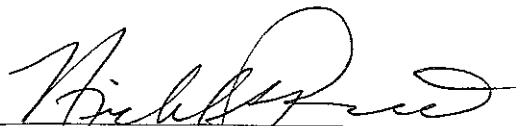
**Pressure Transducer Post-Check**

Cal Date	Date Due	Transducer Name	psig=	Tolerance	psig=	Tolerance	psig=	Tolerance	psig=	Tolerance
			450.00	+/- 2%	300.00	+/- 2%	150.00	+/- 2%	50.00	+/- 2%
5/7/2004	5/7/2005	Discharge Press 1	450.17	0.04	300.24	0.08	150.36	0.24	49.97	-0.07
5/7/2004	5/7/2005	Discharge Press 2	450.12	0.03	300.22	0.07	150.33	0.22	50.08	0.16
5/7/2004	5/7/2005	Suction Press 1	450.01	0.00	300.34	0.11	150.43	0.29	50.14	0.27
5/7/2004	5/7/2005	Suction Press 2	450.11	0.02	300.21	0.07	150.19	0.13	50.00	0.00
4/29/2004	4/29/2005	Aux Press 1	450.52	0.12	300.47	0.16	150.65	0.43	50.31	0.63
4/29/2004	4/29/2005	Aux Press 2	450.01	0.00	300.04	0.01	150.11	0.07	50.45	0.91

**Koax delta-P Post-Check**

Cal Date	Date Due	Transducer Name	psig#	Tolerance	psig#	Tolerance	psig#	Tolerance
			45.00	+/- 2%	25.00	+/- 2%	10.00	+/- 2%
5/7/2004	5/7/2005	Koax ▲-P 1	45.0634	0.14	25.09	0.37	10.08	0.83

*This company maintains a quality system that is modeled after ISO 9001-2000.*



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**CERTIFICATE OF CALIBRATION**  
**Report ID: 20040602**

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Customer: CLIMATEMASTER Engineering Lab, Cell#6  
 Technician: Rick Hand  
 Calibration Equipment Used:

Manufacturer - Techne  
 Model - 140S  
 Serial - 97112-8  
 Certificate - #4772  
 Cal Date: 3/17/04  
 Due Date: 3/17/05

These Pyromation Part #R5T185L484-006-00-15-F306E-0, 4-wire, 100Ohm, Platinum RTD's have been presented for inspection and test as shown below. The indicated work was performed using equipment that is calibrated and traceable to the National Institute of Standards and Technology.

Temperatures in (°F) degrees Fahrenheit.  
 Procedure: CLM Engineering Laboratory Calibration Procedures, RTD Calibration.

**RTD Post-Check**

Cal Date	Date Due	RTD Name	Temp	Tolerance	Temp	Tolerance	Temp	Tolerance
			25 °F	+/- .18 °F	70 °F	+/- .18 °F	115 °F	+/- .18 °F
3/23/2004	3/23/2005	UUT EWT	25.0939	0.0939	70.0095	0.0095	114.8418	-0.1582
3/23/2004	3/23/2005	UUT LWT	25.0522	0.0522	70.0083	0.0083	115.0264	0.0264
3/23/2004	3/23/2005	ID EAT Wet Bulb	25.1206	0.1206	70.0533	0.0533	115.0171	0.0171
3/23/2004	3/23/2005	ID LAT Wet Bulb	25.1010	0.1010	70.0505	0.0505	115.0254	0.0254

*This company maintains a quality system that is modeled after ISO 9001-2000.*