

Shortridge Instruments, Inc.

7855 East Redfield Road Scottsdale, AZ 85260

Phone (480) 991-6744 • Fax (480) 443-1267

www.shortridge.com

Calibration Services

Shortridge Instruments, Inc. provides factory direct calibration services for all instruments manufactured by SI. The standard calibration includes NIST traceable certification for As-Received and Final readings. Calibration program complies with ANSI/NCSL Z540-1-1994, ISO 17025 and MIL-STD 45662A.

Ship the meter to Shortridge Instruments, Inc. 7855 E. Redfield Rd. Scottsdale, AZ 85260, Attention: Calibration Department. Please be sure to include a contact name, telephone number and fax number and email address, if available. If possible, please complete our Recalibration Services online order form.

The AirData Multimeter may be sent alone, or AirData Multimeter or FlowHood accessories may be sent for maintenance or repair. Do not send the HydroData Multimeter Valve Network Panel, carrying case or accessories.

Standard turn-around time is about two weeks. Please call in advance if you require an expedited calibration. A completed purchase order or written confirmation must be included with the equipment.

Package the instrument carefully with adequate cushioning and a sturdy container. Do not use spray foam. Spray foam can damage the meter and it is also possible to "lose" the meter in a chunk of spray foam. Do not ship a meter unprotected in an envelope.

CFM-88L FLOWMETER CERTIFICATE OF CALIBRATION

Customer ID: 020486S/N: M15488Customer: Kejuruteraan Econmech SDN BHD City: Kota Kinabalu State: MYModel #: CFM 88L PO #: _____ Calibration Due Date: _____ Order #: 151397

This instrument has been calibrated using Calibration Standards which are traceable to NIST (National Institute of Standards and Technology) Quality Assurance Program and calibration procedures meet the requirements for ANSI/NCSL Z540-1, ISO 17025, MIL-STD 45662A and manufacturers specifications. Calibration accuracy is certified when meters are used with properly functioning accessories only. All specific uncertainties are expressed in expanded terms (twice the calculated uncertainty). This report shall not be reproduced, except in full, without the written approval of Shortridge Instruments, Inc. Results relate only to the item calibrated.

Procedure used for air flow: Procedure for Air Flow Calibration of AirData Multimeters on a FlowHood SIP-CP15 Revision: 04 Dated: 07/31/14

Procedure used for absolute pressure and temperature: Procedure for Differential Pressure, Absolute Pressure and Temperature Calibration AirData Multimeters SIP-CP01 Revision: 16 Dated: 07/31/14

Limitations on use: See Shortridge Instruments, Inc. Instruction Manuals for the use of AirData Multimeters and FlowMeters

The enclosed ADM Calibration Standards for Pressure and Temperature form is an integral part of this calibration and must remain with this Certificate of Calibration.

AIR FLOW TEST (cfm)
TEST METER TOLERANCE: $\pm 3.0\%$ of reading ± 7 cfm

Calibration Equipment: FlowHood Stand Calibration Transfer Standard AirData Multimeter Model ADM-870, Serial Number M99083 or M9854 and FlowHood Calibration Stand S/N 7401 calibrated as a system. Manufactured by Shortridge Instruments, Inc. System Calibration Date: 05/01/14/15. System Calibration Due Date: 05/2017. FlowHood Stand Calibration Transfer Standard AirData Multimeter Model ADM-870, Serial Number M99420 and M96452 and FlowHood Calibration Stand S/N 7401 calibrated as a system. Manufactured by Shortridge Instruments, Inc. System Calibration Date: 04/10-15/14. System Calibration Due Date: 04/2016.

Rated accuracy of system is $\pm 1.5\%$ of reading ± 3.5 cfm. Resolution: 0.1 cfm Uncertainty of system is as stated at each Set Point. Test Accuracy Ratio is 2:1 for air flow calibration.

All readings are compensated for the density effects of barometric pressure and temperature.

AIR FLOW TEST CONDITIONS

FlowHood Stand Calibration Transfer Standard ADM used for air flow calibration: M96452 M98543 M99083 M99420

Relative Humidity: 56 % Ambient Temperature: 79 ° F Barometric Pressure: 28.38 in Hg

Flow Testing performed using: Customer's: Base / FlowHood Shortridge Instruments, Inc.: In-House FlowHood

Calibration Technician: R. Cichanowicz Calibration Date: 08/21/2015

Approx Set Point	Uncertainty	Transfer Standard cfm	Test Meter cfm	Difference
100	< 5.0 %	101	102	1
500	< 1.5 %	500	501	1
1000	< 1.5 %	1004	1021	17
1500	< 1.25 %	1501	1534	33
2000	< 1.25 %	2004	2066	62

NOTES: _____

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MULTITEMP AND/OR TEMPROBE CALIBRATION TEST REPORT

CO ID: 020486

Order #: 151397

Customer: Kejuruteraan Econmech SDN BHD

City: Kota Kinabalu

State: my

Procedure used: Procedure for Calibration/Recalibration of MultiTemps and/or TemProbes

SIP-CP14

Rev: 03

Dated: 07/31/

Equipment Being Tested: MultiTemp and TemProbes

TemProbe(s) ✓

TEMPERATURE TEST (° F)

MULTITEMP TOLERANCE (MULTITEMP AND TEMPROBES TESTED AS A UNIT) = $\pm 0.5^{\circ}$ F

TEMPROBE TOLERANCE = $\pm 0.3^{\circ}$ F

Thermometer #1 S/N 8A089 / Thermistor S/N A410660

Set Point: 35° F 95° F 155° F

Thermometer #2 S/N 8B104 / Thermistor S/N 871507

Set Point: 35° F 95° F 155° F

Thermometer #5 S/N B11780 / Thermistor S/N B10505

Set Point: 35° F 95° F 155° F

Thermometer #6 S/N B11782 / Thermistor S/N B10509

Set Point: 35° F 95° F 155° F

Thermometer #7 S/N B49938 / Thermistor S/N B482202

Set Point: 35° F 95° F 155° F

Temperature Standard AirData Multimeter S/N M00136

Set Point: 35° F 95° F 155° F

Temperature Standard AirData Multimeter S/N M96100

Set Point: 35° F 95° F 155° F

Test By: D. Bobb Date: 08/18/2015 Rh: 47 % Ambient Temperature: 76 °F Barometric Pressure: 28.38 in H

Approx Set Point	Temp Standard	Test Probe #1 ADT- <u>446</u>	Test Probe #2 ADT- _____	Test Probe #3 ADT- _____	Test Probe #4 ADT- _____	Test Probe #5 ADT- _____	Test Probe #6 ADT- _____	Test Probe #7 ADT- _____	Test Probe #8 ADT- _____
35°	<u>35.0</u>	<u>35.2</u>							
95°	<u>95.0</u>	<u>95.1</u>							
155°	<u>155.0</u>	<u>155.1</u>							

NOTES: _____

Calibration standards used by Shortridge Instruments, Inc. are traceable to NIST (National Institute of Standards and Technology). Calibration is performed in accordance with ANSI/NCSL Z540-1, ISO 17025, MIL-STD 45662A and manufacturer's specifications. Calibration accuracy certified when meters are used with properly functioning accessories only. This report shall not be reproduced, except in full, without the written approval of Shortridge Instruments, Inc. Results relate only to the item calibrated.

Limitations on use: See Shortridge Instruments, Inc. Instruction Manual for the use of AirData Multimeters

The enclosed ADM or HDM Calibration Standards form(s) is/are an integral part of this calibration and must remain with this Certificate Calibration.

Calibration Approved by: L. Laulmeier

Title: Cal Mgr Date: 08/21/2015

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CFM-88L FLOWMETER CERTIFICATE OF CALIBRATION

S/N: M15485Order #: 151397

ABSOLUTE PRESSURE AND TEMPERATURE TEST CONDITIONS

Relative Humidity: 50 % Ambient Temperature: 77 °F Barometric Pressure: 28.37 in HgCalibration Technician: Jonathan Paul Calibration Date: 08-21-2015Calibration Approved by: L. LaLonde Title: Cal Mgr Date: 08/21/2015ABSOLUTE PRESSURE TEST (in Hg)
TEST METER TOLERANCE = $\pm 2.0\%$ $\pm .1$ in Hg

Pressure Standard: Heise #02-R S/N: 41741/42451	_____	Pressure Standard: Heise #12-R S/N: 43166/44731	_____
Pressure Standard: Heise #04-R S/N: 41743/42453	_____	Pressure Standard: Heise #14-R S/N: 43412/45043	_____
Pressure Standard: Heise #06-R S/N: 41742/42452	_____	Pressure Standard: Heise #16-R S/N: 43413/45044	_____
Pressure Standard: Heise #08-R S/N: 42186/43328	_____	Pressure Standard: Heise #18-R S/N: 44581/46845	_____
Pressure Standard: Heise #10-R S/N: 42203/43352	_____	Pressure Standard: Heise #20-R S/N: 44582/46847	_____

Approx Set Point	Heise Standard in Hg	Test Meter in Hg	% Difference
14.0	13.72	13.7	-.15
28.4	28.37	28.3	-.25
40.0	40.25	40.2	-.12

TEMPERATURE TEST (° F)
TEST METER TOLERANCE = $\pm 0.2^\circ$ F

RTD Simulator: S/N 249	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 250	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 253	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 254	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 256	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 257	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 292	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 293	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 294	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 313	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 314	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 315	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 316	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 317	Set Point: 35.6° F	95° F	154.4° F
RTD Simulator: S/N 318	Set Point: 35.6° F	95° F	154.4° F

RTD Simulator Temperature Equivalent Set Point	RTD Standard (° F)	Test Meter (° F)	Difference (° F)
35.60	35.60	35.6	0
95.00	95.00	95.0	0
154.40	154.40	154.4	0

NOTES:

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Shortridge Instruments, Inc. AirData Multimeter Calibration Equipment

Order Number: 151397

Serial Number: 15485

Test Type: Initial As-Received Final

ABSOLUTE PRESSURE STANDARDS

ADM #02-R	S/N: 41741/42451	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 04/11/15	Due Date: 04/2016
ADM #04-R	S/N: 41743/42453	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 11/11/14	Due Date: 11/2015
ADM #06-R	S/N: 41742/42452	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 08/07/14	Due Date: 08/2015
ADM #08-R	S/N: 42186/43328	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 03/10/15	Due Date: 03/2016
ADM #10-R	S/N: 42203/43352	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 01/15/15	Due Date: 01/2016
ADM #12-R	S/N: 43166/44731	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 07/14/15	Due Date: 07/2016
ADM #14-R	S/N: 43412/45043	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 09/10/14	Due Date: 09/2015
ADM #16-R	S/N: 43413/45044	Heise Model: PPM-2	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 02/13/15	Due Date: 02/2016
ADM #18-R	S/N: 44581/46845	Heise Model: PPM-2	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 05/12/15	Due Date: 05/2016
ADM #20-R	S/N: 44582/46847	Heise Model: PPM-2	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 06/08/15	Due Date: 06/2016
#02-R, 04-R, 06-R, 08-R, 10-R, 12-R, 14-R, 16-R	Rated Accuracy: 0.05% fs (0.0305 in Hg)		Range: 0-30 psia		Resolution: 0.01	Uncertainty: < 0.0358
#18-R, 20-R	Rated Accuracy: 0.05% fs (0.0305 in Hg)		Range: 0-60 in Hg		Resolution: 0.001	Uncertainty: < 0.0358

DIFFERENTIAL PRESSURE STANDARDS

ADM #01-L	S/N: 41739/42449	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 04/16/15	Due Date: 04/2016
ADM #01-R	S/N: 41739/42446	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 04/17/15	Due Date: 04/2016
ADM #02-L	S/N: 41741/42454	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 04/17/15	Due Date: 04/2016
ADM #03-L	S/N: 41738/42448	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 11/10/14	Due Date: 11/2015
ADM #03-R	S/N: 41738/42445	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 11/10/14	Due Date: 11/2015
ADM #04-L	S/N: 41743/42456	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 11/12/14	Due Date: 11/2015
ADM #05-L	S/N: 41740/42450	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 08/25/14	Due Date: 08/2015
ADM #05-R	S/N: 41740/42447	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 08/26/14	Due Date: 08/2015
ADM #06-L	S/N: 41742/42455	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 08/07/14	Due Date: 08/2015
ADM #07-L	S/N: 42185/42186	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 03/13/15	Due Date: 03/2016
ADM #07-R	S/N: 42185/43326	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 03/13/15	Due Date: 03/2016
ADM #08-L	S/N: 42186/43329	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 03/13/15	Due Date: 03/2016
ADM #09-L	S/N: 42202/43351	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 01/28/15	Due Date: 01/2016
ADM #09-R	S/N: 42202/43350	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 01/28/15	Due Date: 01/2016
ADM #10-L	S/N: 42203/43353	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 01/28/15	Due Date: 01/2016
ADM #11-L	S/N: 43165/44551	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 07/17/15	Due Date: 07/2016
ADM #11-R	S/N: 43165/44730	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 07/17/15	Due Date: 07/2016
ADM #12-L	S/N: 43166/44732	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 07/17/15	Due Date: 07/2016
ADM #13-L	S/N: 43415/45041	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 09/15/14	Due Date: 09/2015
ADM #13-R	S/N: 43415/45039	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 09/15/14	Due Date: 09/2015
ADM #14-L	S/N: 43412/45045	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 02/20/15	Due Date: 02/2016
ADM #15-L	S/N: 43416/45042	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 02/20/15	Due Date: 02/2016
ADM #15-R	S/N: 43416/45040	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 02/20/15	Due Date: 02/2016
ADM #16-L	S/N: 43413/45046	Heise Model: PPM-1	Mfgd by Dresser Industries	Calibrated by Ashcroft	Calibration Date: 05/15/15	Due Date: 05/2016
ADM #17-L	S/N: 44579/46842	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 05/15/15	Due Date: 05/2016
ADM #17-R	S/N: 44579/46841	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 05/15/15	Due Date: 05/2016
ADM #18-L	S/N: 44581/46846	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 06/10/15	Due Date: 06/2016
ADM #19-L	S/N: 44580/46844	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 06/10/15	Due Date: 06/2016
ADM #19-R	S/N: 44580/46843	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 06/10/15	Due Date: 06/2016
ADM #20-L	S/N: 44582/46848	Heise Model: PPM-1	Mfgd & Calibrated by Ashcroft, Inc.		Calibration Date: 06/09/15	Due Date: 06/2016
#01-L, 03-L, 05-L, 07-L, 09-L, 11-L, 13-L, 15-L, 17-L, 19-L	Rated Accuracy: > 0.07% fs (0.000175 in wc)		Range: 0.0-0.25 in wc		Res.: 0.00001	Uncertainty: < 0.00035
#01-R, 03-R, 05-R, 07-R, 09-R, 11-R, 13-R, 15-R, 17-R, 19-R	Rated Accuracy: > 0.08% fs (0.003 in wc)		Range: 0.0-5.0 in wc		Res.: 0.0001	Uncertainty: < 0.00348
#02-L, 04-L, 06-L, 08-L, 10-L, 12-L, 14-L, 16-L, 18-L, 20-L	Rated Accuracy: > 0.06% fs (0.03 in wc)		Range: 0.0-50.0 in wc		Res.: 0.001	Uncertainty: < 0.0346

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Shortridge Instruments, Inc. AirData Multimeter Calibration Equipment

The Order Number, Serial Number, and Test Type are referenced on page 1

LOW VELOCITY EQUIVALENT CONFIRMATION STANDARDS

Vel Eqv Transfer Standard S/N: M02009	Model ADM-870C	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 12/09/14	Due Date: 12/2015
Vel Eqv Transfer Standard S/N: M02803	Model ADM-870C	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 01/14/15	Due Date: 01/2016
Vel Eqv Transfer Standard S/N: M02903	Model ADM-870C	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 12/09/14	Due Date: 12/2015
Vel Eqv Transfer Standard S/N: M10839	Model ADM-870C	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 12/09/14	Due Date: 12/2015
Vel Eqv Transfer Standard S/N: M10840	Model ADM-870C	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 12/09/14	Due Date: 12/2015
Vel Eqv Transfer Standard S/N: M10897	Model ADM-870C	Mfg'd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 01/14/15	Due Date: 01/2016
Vel Eqv Transfer Standard S/N: M10901	Model ADM-870C	Mfg'd & Calibrated by Shortridge Instruments, inc.	Calibration Date: 12/09/14	Due Date: 12/2015
Vel Eqv Transfer Standard S/N: M13492	Model ADM-870C	Mfg'd & Calibrated by Shortridge Instruments, inc.	Calibration Date: 08/27/14	Due Date: 08/2015
Rated Accuracy: Velocity $\pm 1.5\% \pm 3.5$ fpm		Range: 100-5000 fpm Resolution: 0.1 Uncertainty: <5.00 fpm at 100 fpm; <7.50 fpm at 500 fpm		

TEMPERATURE STANDARDS

RTD Simulator S/N: 249	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/08/12	Due Date: 03/2016
RTD Simulator S/N: 250	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/08/12	Due Date: 03/2016
RTD Simulator S/N: 253	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/08/12	Due Date: 03/2016
RTD Simulator S/N: 254	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/18/12	Due Date: 04/2016
RTD Simulator S/N: 256	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/18/12	Due Date: 04/2016
RTD Simulator S/N: 257	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/18/12	Due Date: 04/2016
RTD Simulator S/N: 292	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 12/19/11	Due Date: 12/2015
RTD Simulator S/N: 293	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 12/19/11	Due Date: 12/2015
RTD Simulator S/N: 294	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 12/19/11	Due Date: 12/2015
RTD Simulator S/N: 313	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/13/14	Due Date: 03/2018
RTD Simulator S/N: 314	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/13/14	Due Date: 03/2018
RTD Simulator S/N: 315	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 03/13/14	Due Date: 03/2018
RTD Simulator S/N: 316	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/21/14	Due Date: 04/2018
RTD Simulator S/N: 317	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/21/14	Due Date: 04/2018
RTD Simulator S/N: 318	Model RTD-1000/500	Mfgd by General Resistance	Calibrated by IET Labs	Calibration Date: 04/21/14	Due Date: 04/2018
Rated Accuracy: 0.025% of setting		Range: 100.00 Ω to 11111.10 Ω	Resolution: 0.01 Ω	Uncertainty: ≤ 32 ppm	

Thermometer #1 S/N 8A089/Thermistor S/N A410660	Model 1504/5610	Mfgd by Hart Scientific	Calibrated by Fluke	Calibration Date: 09/22/14	Due Date: 09/2016
Thermometer #2 S/N 8B104/Thermistor S/N 871507	Model 1504/5610	Mfgd by Hart Scientific	Calibrated by Fluke	Calibration Date: 10/30/14	Due Date: 10/2016
Thermometer #5 S/N B11780/Thermistor S/N B10505	Model 1504/5610	Mfgd by Hart Scientific	Calibrated by Fluke	Calibration Date: 11/07/13	Due Date: 11/2015
Thermometer #6 S/N B11782/Thermistor S/N B10509	Model 1504/5610	Mfgd by Hart Scientific	Calibrated by Fluke	Calibration Date: 05/27/15	Due Date: 05/2017
Thermometer #7 S/N B49938/Thermistor S/N B482202	Model 1504/5610	Mfgd and Calibrated by Fluke		Calibration Date: 09/24/14	Due Date: 09/2016
Rated Accuracy(combined): 0.0324° F		Range: 32° F to 176° F	Resolution: 0.001° F	Combined Uncertainty with Baths: ≤ 0.040 ° F	

Temp Transfer Standard S/N M00136	Model ADM-870	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 10/07/14	Due Date: 10/2015
Temp Transfer Standard S/N M96100	Model ADM-870	Mfgd & Calibrated by Shortridge Instruments, Inc.	Calibration Date: 03/20/15	Due Date: 03/2016
Rated Accuracy: 0.03° F	Range: 33° F to 158° F	Resolution: 0.01° F	Uncertainty: < 0.023° F	
Total combined Uncertainty for MultiTemp and TempProbe testing : ≤ 0.046° F				

This form must remain with the Certificate of Calibration corresponding to the Order Number listed above.

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