

S O U T H W E S T R E S E A R C H I N S T I T U T E

Department of Quality Assurance
Calibration Laboratory

CERTIFICATE OF CALIBRATION

Issued to: DIV20 B57 NARASI SRIDHAR

Device No: 3248

Manufacturer: KESSLER

Model: ASTM IC 76MM

Nomenclature: THERMOMETER

Serial Number: 115814

SwRI No: NONE

Cal interval 12 Mo.

Remarks

Accuracy: MFG

Procedure: WI930-TH03

ENVIRONMENT

Temperature: 72 Humidity: 62 Location: SWRI DIV04 BLDG. 145

CONCLUSION

Tolerance/Remarks: Received into the system, introduced or reactivated

Standard Reading:	Unit Under Test:
-15 deg. C.	-15 deg. C.
0 deg. C.	0 deg. C.
75 deg. C.	75 deg. C.
140 deg. C.	140 deg. C.

Calibration was in accord with requirements of MIL-STD-45662A. Measurements are traceable to the National Institute of Standards and Technology. Inspection and test data are on file and available for inspection.

Signed

Calibration Date: 07/22/94

Cal interval: 12 Months

Record Number: 00014641

Next Calibration Due: 07/22/95

S O U T H W E S T R E S E A R C H I N S T I T U T E

Department of Quality Assurance
Calibration Laboratory

Device Serial No: 115814

Calibration Date: 07/22/94

STANDARDS

Standard No: 219	Manufacturer: AZONIX	Model: A1011
Nomenclature: RTD THERMOMETER		
Serial No: T1587-2078	Cal.Due: 02/22/95	Cal.Rec.No: 00013377

Standard No: 328	Manufacturer: AZONIX	Model: A12001
Nomenclature: RTD TEMPERATURE PROBE		
Serial No: 351477	Cal.Due: 03/10/95	Cal.Rec.No: 00013378

SOUTHWEST RESEARCH INSTITUTE
Department of Quality Assurance
Calibration Laboratory

CERTIFICATE OF CALIBRATION
08/14/95

Issued to: DARRELL DUNN DIV20 ,B57
Manufacturer: KESSL
Nomenclature: THERMOMETER
Serial Number: 115814
Notes:

Asset Number: 003248
Model Number: ASTM IC 76MM

SwRI/Div. I.D. #: NONE

ENVIRONMENTAL CONDITIONS

Temperature: 72.0F

Relative Humidity: 67%

CALIBRATION INFORMATION

Procedure Number: WI-9-30-TH03
Remarks:

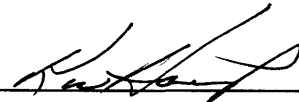
Accuracy: MFGR SPECS
Received IN Tolerance

Calibration was in accordance with requirements of MIL-STD-45662A.
Measurements are traceable to the National Institute of Standards and Technology. Inspection and test data are on file and available for inspection.

STANDARDS USED FOR CERTIFICATION

Asset #	Serial #	Mfg	Model #	Nomenclature	Cal Date	Int.	Cal Due
000219	T1587-2078	AZONI	A1011	RTD THERMOMETER	03/06/95	12	03/06/96
000328	351477	AZONI	A12001	RTD TEMPERATURE PROBE	03/06/95	12	03/06/96

Certified by :



Certificate#: 18259

Calibration Date: 08/14/95
Interval: 12 months
Next Calibration Due: 08/14/96



Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
Department of Quality Assurance
Calibration Laboratory

Certificate of Calibration

20 August 1996

Issued to: DARRELL DUNN DIV20 B57
Manufacturer/Model: KESSLER ASTM IC 76MM
Description: THERMOMETER
Serial Number: 115814
Asset Number: 003248

Environmental Conditions

Temperature: 80.0

Humidity: 33%

Calibration Information

Calibration was in accordance with requirements of MIL-STD-45662A and ANSI/NC SL Z540-1-1994. Measurements are traceable to the National Institute of Standards and Technology (NIST). This report may not be reproduced except in full without written approval of the originator. Inspection and test data are on file and available for inspection.

Calibration Date: 19 Aug 96

Calibration Procedure: WI-9-30-TH03

Interval: 12 months

Accuracy: MFGR SPECS

Next Calibration Due: 19 Aug 97

Received: In Tolerance

Remarks:

Certificate # 22385

Signed: 

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6220 Culebra Road
San Antonio, TX 78238
Department of Quality Assurance
Calibration Laboratory

Certificate of Calibration

4 September 1997

Issued to: DARRELL DUNN DIV20 B57
Manufacturer/Model: KESSLER ASTM 1C 76MM
Description: THERMOMETER
Serial Number: 115814
Asset Number: 003248

Environmental Conditions

Temperature: 70.0 Deg. F

Humidity: 46%

Calibration Information

Calibration was in accordance with requirements of MIL-STD-45662A and ANSI/NCSL Z540-1-1994. Measurements are traceable to the National Institute of Standards and Technology (NIST). This report may not be reproduced except in full without written approval of the originator. Inspection and test data are on file and available for inspection.

Calibration Date: 4 Sep 97

Calibration Procedure: WI-9-30-TH03

Interval: 12 months

Accuracy: +/-1 DEG.C

Next Calibration Due: 4 Sep 98

Received: In Tolerance

Remarks:

Standards Used

Asset	MFR	Model	Description	Serial No.	Due Cal
000219	AZONIX	A1011	RTD THERMOMETER	T1587-2078	24 Mar 98
000328	AZONIX	A12001	RTD TEMPERATURE PROB	351477	3 Apr 98

Certificate # 26583

Signed: 

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6220 Culebra Road
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Department of Quality Assurance
Calibration Laboratory

ACCREDITED



Certificate #
0972-01

Certificate of Calibration

20 October 1998

Issued to: DARRELL DUNN DIV20 B57
Manufacturer/Model: KESSLER ASTM 1C 76MM
Description: THERMOMETER
Serial Number: 115814
Asset Number: 003248

Calibration Information

Calibration was in accordance with requirements of MIL-STD-45662A and ANSI/NC SL Z540-1-1994. Measurements are traceable to the National Institute of Standards and Technology (NIST). This report may not be reproduced except in full without written approval of the originator. Inspection and test data are on file and available for inspection.

This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA) and the results shown in this calibration certificate have been determined in accordance with the laboratory's terms of accreditation unless stated otherwise in the report. The uncertainty of the calibration was sufficient to determine that the instrument met the manufacturer's specifications.

Temperature: 74.0 Deg. F

Humidity: 58 % RH

Calibration Date: 20 Oct 98

Calibration Procedure: ASTM E77-92

Interval: 12 months

Received: IN TOLERANCE

Next Calibration Due: 20 Oct 99

Remarks:

Standards Used

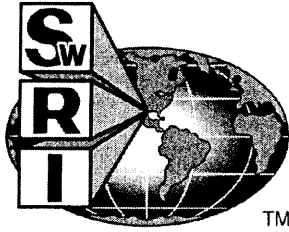
Asset	MFR	Model	Description	Serial No.	Due Cal
000219	AZONIX	A1011	RTD THERMOMETER	T1587-2078	16 Apr 99
000328	AZONIX	A12001	RTD TEMPERATURE PROBE	351477	27 Apr 99

Signed: 

Title: 

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Certificate # 31648



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6220 Culebra Road · San Antonio · Texas, U.S.A. 78228-5166

MEMORANDUM

To: SwRI Calibration Lab
From: Darrell S. Dunn 
Date: September 4, 2001
Subject: Broken Thermometers

The following thermometers are broken in service and need to be removed from the calibration recall list. A copy of this memorandum will be placed in the Division 20 calibration records for these thermometers.

Kessler	ASTM 82C	Serial Number 32922	Asset Number 003778
Kessler	ASTM 82C	Serial Number 9243196	Asset Number 002310
Kessler	ASTM 1C	Serial Number 115814	Asset Number 003248
Fisher Scientific	14-983-10B	Serial Number 183302	Asset Number 002468
Fisher Scientific	14-983-10B	Serial Number 0323004	Asset Number 002042
Fisher Scientific	15-166A	Serial Number C96-784	Asset Number 004994
Fisher Scientific	15-166A	Serial Number C96-616	Asset Number 004987
Fisher Scientific	15-166A	Serial Number H98-180	Asset Number 007300

Please contact me at extension 6090 if you have any questions.