

SOUTHWEST RESEARCH INSTITUTE
Department of Quality Assurance
Calibration Laboratory • 522-5215

WORK ORDER

CERTIFICATE # 22388 ASSET # 003244 DATE 8/14/96

ITEM DATA:

Manufacturer ~~KESSLER~~ KESSLER Model ~~ASTMIC~~ ASTMIC
Description Thermometer Serial # 115880
Accessories Bump

ACTION REQUESTED Cal

CUSTODIAN Dwayne Dumm

Turned in by: Dwayne Phone _____

CHARGE # 20- Date Required _____

INSTRUMENT USED ON: NUCLEAR DOD NASA GLP SPPE
 OTHER _____

COPY OF CALIBRATION CERTIFICATE Yes No

CONDITION RECEIVED: _____ Out of tolerance, repaired to specifications
_____ In tolerance, minor adjustments/repairs made
 In tolerance, no adjustments/repairs
_____ Out of tolerance, adjusted to specifications
_____ Received into system, introduced or reactivated
_____ Calibration interval
_____ Reliability code

ACTION TAKEN: (Calibration/Repair/Parts) Calibrated per Procedure.
SW 445
0.0°C 0°C

CAL ENVIRONMENT:
Temperature 50 °F Humidity 33 %RH

CALIBRATED/REPAIRED:
By Richard P Cal Procedure WI-9.30-7463
Date 19 AUG 96 Accuracy ± 0.1
Cal Interval 6 Mo Time to complete: _____
Next Cal due 19 FEB 97 Cal 2.0 Repair _____
Standards used (Asset#) 4965

DATE COMPLETED 19 AUG 96
DATE PICKED UP 8/21/96 PICKED UP BY [Signature]

22388

SOUTHWEST RESEARCH INSTITUTE
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WORK ORDER

CERTIFICATE # 21343 ASSET # 003244 DATE 17 Feb 97

ITEM DATA:
Manufacturer Kessler Model _____
Description Thermometer Serial # 115880
Accessories _____

ACTION REQUESTED cal

CUSTODIAN DIV 20, Daniel Quinn

Turned in by: _____ Phone _____

CHARGE # 70-5700-561 Date Required _____

INSTRUMENT USED ON: NUCLEAR DOD NASA GLP SPPE
 OTHER _____

COPY OF CALIBRATION CERTIFICATE Yes No

CONDITION RECEIVED: _____ Out of tolerance, repaired to specifications
_____ In tolerance, minor adjustments/repairs made
 In tolerance, no adjustments/repairs
_____ Out of tolerance, adjusted to specifications
_____ Received into system, introduced or reactivated
_____ Calibration internal
_____ Realibility code

ACTION TAKEN: (Calibration/Repair/Parts) Calibrated Per Procedure
Std 441
0.04°C 0.0°C

21343

CAL ENVIRONMENT:
Temperature 79 °F Humidity 36 %RH

CALIBRATED/REPAIRED:
By [Signature] Cal Procedure WI-9-30-5163
Date 21 Feb 97 Accuracy ± 1°C
Cal Interval 6 Mos Time to complete: _____
Next Cal due 21 Aug 97 Cal 2.0 Repair _____
Standards used (Asset#) 218,328

DATE COMPLETED 21 Feb 97
DATE PICKED UP 2/26/97 PICKED UP BY [Signature]

SOUTHWEST RESEARCH INSTITUTE
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WORK ORDER

CERTIFICATE # 26599 ASSET # 03244 DATE 25 Aug 97

ITEM DATA:

Manufacturer Kosko Model ASTM 10 70/110
Description Thermometer Serial # 115800
Accessories _____

ACTION REQUESTED cal

CUSTODIAN D.H. 20, David D...

Turned in by: _____ Phone 702

CHARGE # 20509561 Date Required _____

INSTRUMENT USED ON: DOD/NASA NUCLEAR GLP SPPE ISO
 OTHER _____

COPY OF CALIBRATION CERTIFICATE Yes No

NEW WORK Yes No If yes, an evaluation shall be made to verify capabilities.
By _____ Date _____

CONDITION RECEIVED: _____ (F) Out of tolerance, repaired to specifications
_____ (G) In tolerance, minor adjustments/repairs made
 (J) In tolerance, no adjustments/repairs
_____ (K) Out of tolerance, adjusted to specifications
_____ (S) Received into system, introduced or reactivated

ACTION TAKEN: (Calibration/Repair/Parts) calibrated per procedure
std uut
0.012°C 0.0°C

CAL ENVIRONMENT:
Temperature 71 °F Humidity 46 %RH

CALIBRATED/REPAIRED:
By K... Cal Procedure 41-9-30-7703
Date 4 Sep 97 Accuracy ±1°C
Cal Interval 6 months Reliability Code: 3
Next Cal due 4 Sep 98 Cal Time 1.5 Repair Time _____
Standards used (Asset#) 219, 328

DATE COMPLETED 4 Sep 97
DATE PICKED UP 9/10/97 PICKED UP BY David D...

26599

SOUTHWEST RESEARCH INSTITUTE
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WORK ORDER

CERTIFICATE # 28936 ASSET # 002244 DATE 07 MAR 98

ITEM DATA:

Manufacturer Kpssto Model ASIM K 76MM
Description Thermometer Serial # 115350
Accessories nil

ACTION REQUESTED _____

CUSTODIAN D. D. D. D. D.

Turned in by: _____ Phone 6090

CHARGE # 70. 1402. 311 Date Required _____

INSTRUMENT USED ON: DOD/NASA NUCLEAR GLP SPPE ISO
OTHER _____

COPY OF CALIBRATION CERTIFICATE Yes No
NEW WORK Yes No If yes, an evaluation shall be made to verify capabilities.
By _____ Date _____

CONDITION RECEIVED: _____ (F) Out of tolerance, repaired to specifications
_____ (G) In tolerance, minor adjustments/repairs made
_____ (J) In tolerance, no adjustments/repairs
_____ (K) Out of tolerance, adjusted to specifications
_____ (S) Received into system, introduced or reactivated

ACTION TAKEN: (Calibration/Repair/Parts) _____
cal std unit
0°C 0°C

CAL ENVIRONMENT: Temperature 74 °F Humidity 24 %RH

CALIBRATED/REPAIRED:
By G. H. H. Cal Procedure WJ 9-30-TA-03
Date April 98 Accuracy ± 10°C
Cal Interval 10 mos Reliability Code: 4
Next Cal due 9 Sep 98 Cal Time 1.5 Repair Time _____
Standards used (Asset#) 29, 328

DATE COMPLETED April 98
DATE PICKED UP 3/18/98 PICKED UP BY [Signature]

28936

SOUTHWEST RESEARCH INSTITUTE
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WORK ORDER

CERTIFICATE # 21708 ASSET # 003244 DATE 21 OCT 98

ITEM DATA:
Manufacturer Kesser Model 70MM 1MM
Description Thermometer Partial Immersion Serial # 115800
Accessories _____

ACTION REQUESTED Cal

CUSTODIAN Dr. D. Donnell Dunn

Turned in by: _____ Phone 670

CHARGE # 20-1408-511 Date Required _____

INSTRUMENT USED ON: (DOD/NASA) (NUCLEAR) (GLP) (SPPE) (ISO)
 OTHER _____

COPY OF CALIBRATION CERTIFICATE (Yes) (No)

NEW WORK Yes No If yes, an evaluation shall be made to verify capabilities.

By MAR Date 10-21-98

Work involves proprietary/confidential information or equipment (Yes) (No)

CONDITION RECEIVED: _____ (F) Out of tolerance, repaired to specifications
_____ (G) In tolerance, minor adjustments/repairs made
 (J) In tolerance, no adjustments/repairs
_____ (K) Out of tolerance, adjusted to specifications
_____ (S) Received into system, introduced or reactivated

ACTION TAKEN: (Calibration/Repair/Parts) _____

Dropped After Cal
Dept 30 will Replace

CAL ENVIRONMENT:
Temperature 72°F Humidity 62%RH

CALIBRATED/REPAIRED:
By W. Hill Cal Procedure 3325-4-42-1
Date 30 Oct 98 Accuracy ± 1°C
Cal Interval 6mo Reliability Code: 5
Next Cal due 30 Apr 99 Cal Time 10.5 Repair Time _____
Standards used (Asset#) 219, 326

DATE COMPLETED _____
DATE PICKED UP _____ PICKED UP BY _____

21708

