

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

WORK ORDER

CERTIFICATE # 33565 ASSET # 007168 DATE 05 MAR 99

ITEM DATA:

Manufacturer Fisherbrand Model 15-1664
Description Thermometer Serial # 198-101
Accessories None

ACTION REQUESTED MI

CUSTODIAN DUNN, Daniel Dunn

Turned in by: _____ Phone 6076

CHARGE # 20446 541 OH 03/2 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 MMW Date 03-05-99

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) 6 Point Cal

CAL ENVIRONMENT:
Temperature 74 °F Humidity 49 %RH

CALIBRATED/REPAIRED: MMW
By _____ Cal Procedure T033K5-4-42-1 ARR97
Date 3-17-99 Accuracy ±10%
Cal Interval None Reliability Code: _____
Next Cal due 3-17-00 Cal Time 1h Repair Time _____
Standards used (Asset#) 000219

DATE COMPLETED 3-17-99
DATE PICKED UP 3/18/99 PICKED UP BY [Signature]

33565

WORK ORDER 38584

Date Received 4/10/00

Asset No. 007168 Manufacturer FISHER SCIENTIFIC Model 15-166A
 Description THERMOMETER Serial Number C98-101
 Accessory Received/Required CONTAINER
 Div/CC ID NONE Accessory to Asset No. N/A Accuracy _____ Mfg. Tol. _____
 Div/CC DIV20 Location B57 Custodian DARRELL DUNN Tel. 6090
 Charge/Project No. 20.00751.006 Proprietary/Confidential N Date Required ROUTINE
 Work Requested CALIBRATION
 Receiving Inspection O.K.
 Delivered By DARRELL DUNN Tel. 6090

WORK HISTORY

Date	Start Time	Stop Time	Notes

SwRI Cal-Lab By _____
 CAL: 03/17/99 DUE: 03/1
 AN: 007168 SN: C98-10
 I DON'T WANT TO BE HERE I WANT TO BE HOME

PARTS

Part Name	Part Number	Cost	Failure Description

38584

WORK SUMMARY

Failure Description _____
 Repair Action _____
 Cal Procedure OL-9 5/99 Temp 76 F Hum 48 %
 Tech [Signature] Cal Hrs. 1 Repair Hrs. _____ Part Cost _____
 Action Taken Cal
 Standards Used 0219 5174
 Date Cal 4-18-00 Int. 12 Mo. Date Due 4-18-01 Reliability Code 2
 Date Picked Up 5/2/00 Picked Up By [Signature]



Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
(210) 522-5215
Department of Quality Assurance
Calibration Laboratory

Accredited



Certificate #
0972-01

Certificate of Calibration

18 April 2000

Issued to: DARRELL DUNN DIV20 B57
Manufacturer/Model: FISHER SCIENTIFIC 15-166A
Description: THERMOMETER
Serial Number: C98-101
Asset Number: 007168

This certifies the above item was calibrated in compliance with MIL-STD-45662A and ANSI/NCSL Z540-1-1994. The results of this calibration relate only to the individual item as described above. Standards used in this calibration, described in the referenced calibration procedure with associated uncertainties or tolerances, are traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and available for examination upon request. This certificate is not to be reproduced, except in full, without the written approval of the Southwest Research Institute Department of Quality Assurance Calibration Laboratory.

This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA) and the results of this calibration certificate were determined in accordance with the terms of accreditation unless stated otherwise below.

The uncertainty of the calibration was sufficient to determine that the item met the manufacturer's published specifications unless stated otherwise below.

Ambient Conditions: Temperature: 76.0 Degrees Fahrenheit Humidity: 48 % RH

Calibration Date: 18 Apr 00 **Calibration Procedure:** CL-9 5/99

Condition as Received: IN TOLERANCE

Condition as Released: IN TOLERANCE

Remarks:

Approved by:

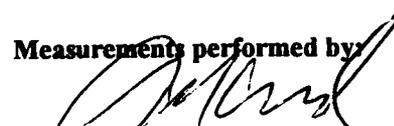


Jim Patterson, Supervisor, or Walt Hill, Metrologist

Certificate # 38584

m:\a2l\c\pt_Rev_date 14 Dec 99

Measurements performed by:



Mack Wood, Technician

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