

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

WORK ORDER

CERTIFICATE # 10411 ASSET # 003536 DATE 12/31/97

ITEM DATA:

Manufacturer Ludlum Model #3  
Description Lurvey Meter Serial # 100939  
Accessories \_\_\_\_\_

ACTION REQUESTED \_\_\_\_\_

CUSTODIAN David Pickett

Turned in by: \_\_\_\_\_ Phone \_\_\_\_\_

CHARGE # \_\_\_\_\_ 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

10411

ACTION TAKEN: (Calibration/Repair/Parts) \_\_\_\_\_

CAL ENVIRONMENT:

Temperature \_\_\_\_\_ °F Humidity \_\_\_\_\_ %RH

CALIBRATED

By Dannell Collins Cal Procedure \_\_\_\_\_  
Date 12/31/97 Accuracy \_\_\_\_\_  
Cal Interval 1yr Time to complete: \_\_\_\_\_  
Next Cal due 12/31/98 Cal \_\_\_\_\_ Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED \_\_\_\_\_

DATE PICKED UP \_\_\_\_\_ PICKED UP BY \_\_\_\_\_

SOUTHWEST RESEARCH INSTITUTE  
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WORK ORDER

CERTIFICATE # 32998 ASSET # 003536 DATE 12/17/98

ITEM DATA:

Manufacturer Ludlum Model 3  
Description Burney Meter Serial # 100939  
Accessories \_\_\_\_\_

ACTION REQUESTED \_\_\_\_\_

CUSTODIAN Daniel Pickott

Turned in by: \_\_\_\_\_ Phone \_\_\_\_\_

CHARGE # \_\_\_\_\_ 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

32998

ACTION TAKEN: (Calibration/Repair/Parts) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CAL ENVIRONMENT:  
Temperature \_\_\_\_\_ °F Humidity \_\_\_\_\_ %RH

CALIBRATED  
By Dannell Collier Cal Procedure \_\_\_\_\_  
Date 12/17/98 Accuracy \_\_\_\_\_  
Cal Interval 1yr Time to complete:  
Next Cal due 12/17/99 Cal \_\_\_\_\_ Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED \_\_\_\_\_  
DATE PICKED UP \_\_\_\_\_ PICKED UP BY \_\_\_\_\_

SOUTHWEST RESEARCH INSTITUTE  
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WORK ORDER

CERTIFICATE # 34696 ASSET # 003536 DATE 5/25/99

ITEM DATA:

Manufacturer Ludlum Model 3  
Description Survey Meter Serial # 100939  
Accessories \_\_\_\_\_

ACTION REQUESTED Battery check erratic

CUSTODIAN David Pickett, Jr

Turned in by: \_\_\_\_\_ Phone \_\_\_\_\_

CHARGE # \_\_\_\_\_ 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

34696

ACTION TAKEN: (Calibration/Repair/Parts) \_\_\_\_\_  
Cleaned battery connections and calibrated

CAL ENVIRONMENT:  
Temperature \_\_\_\_\_ °F Humidity \_\_\_\_\_ %RH

CALIBRATED  
By Dainell Collier Cal Procedure \_\_\_\_\_  
Date 5/25/99 Accuracy \_\_\_\_\_  
Cal Interval 1yr Time to complete: \_\_\_\_\_  
Next Cal due 5/25/00 Cal \_\_\_\_\_ Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED \_\_\_\_\_  
DATE PICKED UP \_\_\_\_\_ PICKED UP BY \_\_\_\_\_

SOUTHWEST RESEARCH INSTITUTE  
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WORK ORDER

CERTIFICATE # 36985 ASSET # 00 3536 DATE 11/5/99

ITEM DATA:

Manufacturer Ludlum Model 3  
Description Survey Meter Serial # 100939  
Accessories \_\_\_\_\_

ACTION REQUESTED Change Custodian

CUSTODIAN Paul Bertetti

Turned in by: \_\_\_\_\_ Phone \_\_\_\_\_

CHARGE # \_\_\_\_\_ 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

36985

ACTION TAKEN: (Calibration/Repair/Parts) \_\_\_\_\_  
Early calibration to coordinate calibration due dates

CAL ENVIRONMENT:  
Temperature \_\_\_\_\_ °F Humidity \_\_\_\_\_ %RH

CALIBRATED  
By Dannell Collier Cal Procedure \_\_\_\_\_  
Date 11/5/99 Accuracy \_\_\_\_\_  
Cal Interval 1yr Time to complete:  
Next Cal due 11/5/00 Cal \_\_\_\_\_ Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED \_\_\_\_\_  
DATE PICKED UP \_\_\_\_\_ PICKED UP BY \_\_\_\_\_

# SOUTHWEST RESEARCH INSTITUTE

## Calibration Laboratory

### WORK ORDER

Processed by JIBARRA at 10:59:47AM on 11/3/00

||||| ||||| ||||| ||||| ||||| ||||| |||||

Work Order **444041229**

Arrived 11/3/00

Asset No. 003536 Manufacturer LUDLUM

Model 3

Instrument Type/Class SURVEY METER

Serial No. 100939

Accessory No. \_\_\_\_\_ Calibration Procedure \_\_\_\_\_

Location B57

Div/Client DIV20

Custodian PAUL BERTETTI

Mail Stop B57

Tel. \_\_\_\_\_

Charge/Project No. 20.01402.871

Delivered By / Telephone \_\_\_\_\_

**IN4CAL**

Special Instructions \_\_\_\_\_

### WORK NOTES

Date	Hours	Remarks/Notes
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

### REPAIR PARTS

Date	Hours	Part Name	Part Number	Failure Description	Cost
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### WORK SUMMARY

Failure Description N/A

Repair Action \_\_\_\_\_

Calibration Procedure NPOP-12.0-RHS-104 Temp 0 F Hum. 0 %

Tech Diane Hibbs Totals Cal Hours \_\_\_\_\_ Repair Hours \_\_\_\_\_ Parts Cost \_\_\_\_\_

Standards Used User

Date Picked Up \_\_\_\_\_

Picked Up By \_\_\_\_\_

**41229**

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

WORK ORDER

CERTIFICATE # \_\_\_\_\_ ASSET # 003536 DATE 10/31/00

ITEM DATA:

Manufacturer Ludlum Model 3

Description Survey Meter Serial # 100939

Accessories Ludlum Model 44-40, SN P076050

ACTION REQUESTED Calibration

CUSTODIAN David Pickett

Turned in by: David Pickett Phone 5582

CHARGE # 20.01402.871 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

CAL ENVIRONMENT:  
Temperature NA °F Humidity NA %RH

CALIBRATED  
By Diane Hibbs Cal Procedure NPOP-12.0-RHS-104  
Date 10/31/00 Accuracy ±20%  
Cal Interval Annual Time to complete:  
Next Cal due 10/31/01 Cal 1/2 hr. Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED 10/31/00  
DATE PICKED UP 11/1/00 PICKED UP BY David Pickett

SOUTHWEST RESEARCH INSTITUTE  
Department of Quality Assurance  
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WORK ORDER

CERTIFICATE # \_\_\_\_\_ ASSET # 003536 DATE 12-12-01

ITEM DATA:

Manufacturer Ludlum Model 3

Description Survey Meter Serial # 100939

Accessories \_\_\_\_\_

ACTION REQUESTED Calibration

CUSTODIAN Paul Bertetti

Turned in by: Paul Bertetti Phone 5228

CHARGE # 1.20.0751.006 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

CAL ENVIRONMENT:  
Temperature NA °F Humidity NA %RH

CALIBRATED  
By Diane Hibbs Cal Procedure NPOP-12.0-RHS-104  
Date 12-12-01 Accuracy ±20%  
Cal Interval Annual Time to complete:  
Next Cal due 12-12-02 Cal 1/2 hr. Repair \_\_\_\_\_  
Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED 12-12-01  
DATE PICKED UP 12-12-01 PICKED UP BY Paul Bertetti