

**SOUTHWEST RESEARCH INSTITUTE**

**Department of Quality Assurance  
Calibration Laboratory**

**CERTIFICATE OF CALIBRATION  
10/10/95**

Issued to: RON GREEN  
Manufacturer: GILMO  
Nomenclature: FLOWMETER  
Serial Number: GF-5541-2517  
Notes:

DIV20 ,B57

Asset Number: 004166  
Model Number: 150MM  
SwRI/Div. I.D. #:

**ENVIRONMENTAL CONDITIONS**

Temperature: 69.8F

Relative Humidity: 52%

**CALIBRATION INFORMATION**

Procedure Number: MFG  
Remarks: CAL BY JM TEST SYSTEMS, BATON ROUGE, LA

Accuracy: MFG  
Received IN Tolerance

**Calibration was in accordance with requirements of MIL-STD-45662A.  
Measurements are traceable to the National Institute of Standards and Tech-  
nology. 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
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VENDOR						

Certified by : 

Certificate#: 18652

Calibration Date: 10/03/95  
Interval: 12 months  
Next Calibration Due: 10/03/96

# JM TEST SYSTEMS, INC.

## CALIBRATION LAB. DIVISION

P.O. Drawer 45489 / Baton Rouge, LA 70895  
 7323 Tom Dr. Baton Rouge, LA 70806 / 1600 Watterburg Way Alexandria, LA 71311

### CERTIFICATE of CALIBRATION

for **GILMONT** submitted by **SOUTHWEST RESEARCH S ANTONIO**  
 Model **150 MM**  
 S/N **GF-55471-2517** PO# **974696**  
 ID# **N/A**

JM TEST SYSTEMS certifies that this instrument has been repaired, if necessary, and calibrated to meet all published manufacturers specifications regarding this instrument using standards traceable to the National Institute of Standards and Technology, to accepted values of natural physical constants, to consensus standards, or to ratio methods. JM TEST SYSTEMS' calibration control system meets the requirements of ANSI-NCSL-Z540-1, ISO 9002, and MIL-STD-45662A.

Upon receipt for calibration, the test instrument was found to be **IN TOLERANCE NO ADJUSTMENT REQUIRED** of the indicated specification.

The following repair action, if any, was necessary to bring this instrument up to accuracy specifications:  
**CLEANED & CERTIFIED TO MANUFACTURERS SPECIFICATION.**

The following calibration procedure was used in the calibration:  
**FLOW**

The following standards were used in the calibration:

Manufacturer	Model Number	ID#	Date Due
<b>BENDIX</b>	<b>99251-31TA2073-1</b>	<b>902226</b>	<b>6-Jul-97</b>

This report shall not be reproduced, except in full, without the written approval of JM TEST SYSTEMS, Inc.

certificate/traceability number: **0022-0801.00-53423** wo#: **53423**  
 calibration date: **3-Oct-95**  
 due recalibration date: **3-Oct-96** technician: **MELVIN J. SHARP**  
 lab environment: **TEMP: 21°C**  
**HUMIDITY: 52%RH** tech. signature: *Melvin J. Sharp*

JM TEST SYSTEMS  
manf: GILMONT

Calibration Data Sheet  
model: 150 MM SERIES

date: 10/03/95  
w.o.#: 53423

PARAMETER		IN OUT	MEASURED VALUE		ACCEPTANCE LIMITS	
RANGE	MODE		BEFORE	AFTER	LOW	HIGH
FLOW						
1.0-4.8 SLPM					+/- 5% OF	FULL SCALE
	1.157		1.0		0.917	1.397
	2.131		2.0		1.891	2.371
	3.111		3.0		2.871	3.351
	4.031		4.0		3.791	4.271
	4.830		4.8		4.590	5.070

JMT#2805

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SOUTHWEST RESEARCH INSTITUTE

Department of Quality Assurance

Calibration Laboratory • 522-5215

WORK ORDER

CERTIFICATE # 25825 ASSET # 004166 DATE 18 Jun

ITEM DATA:

Manufacturer Calypso Instruments Model 150 mm

Description Flow Meter Serial # PE 5541-2517

Accessories \_\_\_\_\_

ACTION REQUESTED cal

CUSTODIAN DIV 20, Ken Papp

Turned in by: Sony Lappala Phone 5024

CHARGE # 20-508-161 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) Call for ST# 304584 PR# 304584 26/18  
Calibration cancelled for Sony Lappala. Returned to cust. March

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

CALIBRATED/REPAIRED:

By \_\_\_\_\_ Cal Procedure \_\_\_\_\_  
 Date \_\_\_\_\_ Accuracy \_\_\_\_\_  
 Cal Interval \_\_\_\_\_ Reliability Code: \_\_\_\_\_  
 Next Cal due \_\_\_\_\_ Cal Time \_\_\_\_\_ Repair Time \_\_\_\_\_  
 Standards used (Asset#) \_\_\_\_\_

DATE COMPLETED \_\_\_\_\_  
DATE PICKED UP \_\_\_\_\_ PICKED UP BY Sony Lappala

25825