

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-5541-2417**
Notes:

DIV20 ,B57

Asset Number: **004167**
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

VENDOR						

Certificate#: **18651**

Certified by : _____

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-5541-2417**
 ID# **N/A** **PO# 974696**

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-NCSSL-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
BENDIX	99251-31TA2073-1	902226	6-Jul-97

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

certificate/traceability number: **0021-0801.00-53422** wo#: **53422**
 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.#: 53422

PARAMETER		IN OUT	MEASURED VALUE		ACCEPTANCE LIMITS	
RANGE	MODE		BEFORE	AFTER	LOW	HIGH
FLOW						
0.5-1.8	SLPM				+/- 5% OF	FULL SCALE
	0.485		0.5		0.395	0.575
	0.956		1.0		0.866	1.046
	1.469		1.5		1.379	1.559
	1.805		1.8		1.715	1.895

019
JTM

JMT#2805

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JJA

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

WORK ORDER

CERTIFICATE # 25826 ASSET # 004161 DATE 18 Jun 91

ITEM DATA:
Manufacturer Gilguy Instruments Model ISO 411
Description Flow Meter Serial # GF-5541-2417
Accessories _____

ACTION REQUESTED Cal

CUSTODIAN Dr. P. Green

Turned in by: Sony Leppala Phone 5077

CHARGE # 20-5708-661 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) Will test ST# 304CB1, R# 053302 @ 86 cal 04/90
Calibration cancelled for Sony Leppala. Returned to cust.
mel

25826

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 Leppala