

# Certificate of Calibration



Illiana Instrumentation Service LLC

1831 Govert Drive  
Scherverville, IN 46375



Cert #: 18961 Rev. 1

Item # 1488

Certificate Date: 9/3/2024

## CUSTOMER

ILLIANA INSTRUMENTATION SERVICE LLC  
1831 GOVERT DRIVE  
SCHERERVILLE, IN 46375

## EQUIPMENT INFORMATION

Item # 1488 Calibration Result: PASS  
Manufacturer ILLIANA  
Model Number E989NNJ  
Serial Number 3448106681  
Equip. Location LAB  
Description RESISTANCE STANDARD

## CALIBRATION INFORMATION

Date received: 9/3/2024 Cal Date: 9/3/2024 Cal. Interval 12 MONTHS Cal. Due Date: 9/3/2025  
Technician: PAUL GROLLA Temperature: 74 F Humidity 48 Cal location LAB  
Tag

Department:

Notes:

Problems: None

Adjustments None

Equipment Notes

Sensitivity OKAY

Initial modification offset 0

Final modification offset 0

Note: If the modification offset is not zero, readings reflect zero.

Limitations NONE

Accuracy +/- 3% OF READING

## Quality and traceability statements

This certifies that the above equipment was calibrated using appropriate Illiana Instrumentation technical procedures. At planned intervals, Illiana Instrumentation standards are calibrated by comparison to or measurement against standards which are traceable to the SI units through the NIST or other recognized national measurement institutes or international standard bodies. The results in this report relate only to the item(s) calibrated. If so indicated above, detailed calibration results are attached to this certificate. These results are part of this certificate and this certificate shall not be reproduced except in full, without the written approval of Illiana Instrumentation. Any number of factors not under the control of the calibration laboratory may cause the calibration of the above item(s) to drift before the recommended recalibration date. Supporting documentation relative to traceability and technical procedures used is on file and is available for examination upon request and approval of our quality assurance manager. The above uncertainties represent an expanded uncertainty expressed at approximately 95% confidence level using a coverage factor of k=2. The certificate date on this report constitutes the issue date. Pass/Fail criteria does not take into account measurement uncertainty.

Calibrated By:

*Paul Grolla*

Approved By:

*Laura Grolla*

Customer Approval \_\_\_\_\_



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**Calibration Data**

Values found OOT and adjusted are indicated by "A" and items left OOT are indicated by "F"

Group	Description	Nominal	Lower Tol.	Upper Tol.	As Found	As Left	Units	Uncert.	OOT
	M OHMS	1.0000	0.9700	1.0300	1.0000	1.0000	mOhm	0.0053	
	K OHMS	100.0000	97.0000	103.0000	100.0700	100.0700	kOhm	0.015	
	M OHMS	100.0000	97.0000	103.0000	101.700	101.700	mOhm	1.5	

**Standards Used**

I.D.	Model	Description	Manufacturer	Serial No.
1731	34401A	DIGITAL MULTIMETER	HEWLETT PACKARD/AGILENT	3146A27542

**Procedures Used**

Name	Description
WI-511	GENERAL ELECTRICAL