

Certificate of Calibration



Illiana Instrumentation Service LLC
1831 Govert Drive
Scherverville, IN 46375



Cert #: 11462 Rev. 2 Item # 1488 Certificate Date: 9/1/2023

CUSTOMER

ILLIANA INSTRUMENTATION SERVICE LLC
1831 GOVERT DRIVE
SCHERERVILLE, IN 46375

Purchase Order:

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: 9/1/2023 Cal Date: 9/1/2023 Cal. Interval 12 MONTHS Cal. Due Date: 9/1/2024
Technician: PAUL GROLLA Temperature: 70 F Humidity 50 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:

A handwritten signature in black ink that reads '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	1.0002	1.0002	mOhm	0.0053	
	K OHMS	100.0000	97.0000	103.0000	100.0720	100.0720	kOhm	0.015	
	M OHMS	100.0000	97.0000	103.0000	102.7000	102.7000	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