

ILLIANA INSTRUMENTATION

1831 Govert Drive Schererville, IN 46375 (219)227-8788 illianaservice.com

CERTIFICATE OF CALIBRATION

Illiana Instrumentation 1831 Govert Drive Schererville, IN 46375-	Purchase order: Location of calibration: Lab	Date received: 09/24/20 Calibration date: 09/24/20 Recalibration due: 09/30/21
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Item number: 1488 Tag number: Manufacturer: Illiana Model num: E989NNJ Description: 1488 Resistance Serial number: 3448106681 Accuracy: +/- 3% of reading Item notes:	Item location: Lab Temp: 76.0° F. Humidity: 47 Sensitivity: OK Condition as found: In tolerance Condition as left: In tolerance Intentional offset as found: 0.0000 Intentional offset as left: 0.0000 Limitations: None
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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 laboratory may cause the calibration of the above item to drift before the recommended recalibration date. Supporting documentation relative to traceability and technical procedures used is on file and is available for review upon request and approval of our Quality Manager. The uncertainties represent an expanded uncertainty expressed at @95% confidence level using a coverage factor of k=2. The date this report is signed constitutes the issue date. Pass/Fail criteria does not take into account measurement uncertainty.

Tech: Paul D Grolla Date: 09/24/20 Approved by: Laura Grolla Date: 09/24/20
 Paul D Grolla - ISA Certified Controls Systems Tech. Laura Grolla - Deputy Quality Manager

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
1.0000	1.0001	1.0001	1.0300	0.9700	M Ohms		Yes
Standard(s): 1205 H.P. SN 3146A01748 Adjustments: Problems: Uncertainty: 0.0053 M Ohms Procedure: WI-511							

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
100.0000	100.0680	100.0680	103.0000	97.0000	K Ohms		Yes
Standard(s): 1205 H.P. SN 3146A01748 Adjustments: Problems: Uncertainty: 0.0150 K Ohms Procedure: WI-511							

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
100.0000	101.7300	101.7300	103.0000	97.0000	M Ohms		Yes
Standard(s): 1205 H.P. SN 3146A01748 Adjustments: Problems: Uncertainty: 1.5000 M Ohms Procedure: WI-511							

Customer approval: _____ Date: _____

Total pages for Certificate 999999-01488-5462: 1

