

# 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: 08/05/21 Calibration date: 08/05/21 Recalibration due: 08/31/22
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Item number: 1717 Tag number: Manufacturer: Reed Model num: BX-500 Description: 1717 IR Calibrator Serial number: 200679878 Accuracy: Varies by point Item notes:	Item location: Lab Temp: 72.0° F. Humidity: 39 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: 08/05/21 Approved by: Laura Grolla Date: 08/05/21  
 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?
123.1000	122.0000	122.0000	125.1000	121.1000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple  
 Adjustments:  
 Problems:  
 Uncertainty: 5.1000 Deg F. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
201.9000	200.0000	200.0000	203.9000	199.9000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple  
 Adjustments:  
 Problems:  
 Uncertainty: 5.1000 Deg F. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
302.7000	300.0000	300.0000	306.3000	299.1000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple  
 Adjustments:  
 Problems:  
 Uncertainty: 5.1000 Deg F. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
402.8000	400.0000	400.0000	406.4000	399.2000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple  
 Adjustments:  
 Problems:  
 Uncertainty: 5.1000 Deg F. Procedure: WI-516



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## CERTIFICATE OF CALIBRATION

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
502.5000	500.0000	500.0000	506.1000	498.9000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple

Adjustments:

Problems:

Uncertainty: 5.1000 Deg F.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
602.3000	600.0000	600.0000	605.9000	598.7000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple

Adjustments:

Problems:

Uncertainty: 5.1000 Deg F.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
701.9000	700.0000	700.0000	705.5000	698.3000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple

Adjustments:

Problems:

Uncertainty: 5.1000 Deg F.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
801.0800	800.0000	800.0000	805.4000	798.2000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple

Adjustments:

Problems:

Uncertainty: 5.1000 Deg F.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
900.8000	900.0000	900.0000	904.4000	897.2000	Deg F.		Yes

Standard(s): 1546 Fluke 525B, 1642 Type N Thermocouple

Adjustments:

Problems:

Uncertainty: 5.1000 Deg F.

Procedure: WI-516

Customer approval: \_\_\_\_\_ Date: \_\_\_\_\_

Total pages for Certificate 999999-01717-5479: 2