

# ILLIANA INSTRUMENTATION

1831 Govert Drive Schererville, IN 46375 (219)227-8788 [illianaservice.com](http://illianaservice.com)

## CERTIFICATE OF CALIBRATION

Illiana Instrumentation 1831 Govert Drive Schererville, IN 46375-	Purchase order: Location of calibration: Lab	Date received: 10/27/19 Calibration date: 10/27/19 Recalibration due: 10/31/20
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Item number: 1203 Tag number: Manufacturer: Jofra Instruments-Ametek Model num: 650 SE Description: 1203 Jofra 920316 Serial number: 920316 Accuracy: +/- 1.5 Deg C Item notes:	Item location: Mobile Temp: 70.0° F. Humidity: 42 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 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 review 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.

Tech: Paul D Grolla Date: 10/27/19 Approved by: Laura Grolla Date: 10/27/19  
 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?
50.0000	48.9700	48.9700	51.5000	48.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner  
 Adjustments:  
 Problems:  
 Uncertainty: 0.2100 Deg C. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
100.0000	99.7800	99.7800	101.5000	98.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner  
 Adjustments:  
 Problems:  
 Uncertainty: 0.2100 Deg C. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
200.0000	200.7400	200.7400	201.5000	198.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner  
 Adjustments:  
 Problems:  
 Uncertainty: 0.2100 Deg C. Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
300.0000	301.1200	301.1200	301.5000	298.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner  
 Adjustments:  
 Problems:  
 Uncertainty: 0.2100 Deg C. Procedure: WI-516



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Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
400.0000	400.9700	400.9700	401.5000	398.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner

Adjustments:

Problems:

Uncertainty: 0.2100 Deg C.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
500.0000	501.0000	501.0000	501.5000	498.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner

Adjustments:

Problems:

Uncertainty: 0.2100 Deg C.

Procedure: WI-516

Cal Point	Init Read	Final Read	Upper Tol	Lower Tol	Eng Units	Cal point description	Pass?
600.0000	600.5000	600.5000	601.5000	598.5000	Deg C.		Yes

Standard(s): 1225 Hart PRT, 1429 Hart Scanner

Adjustments:

Problems:

Uncertainty: 0.2100 Deg C.

Procedure: WI-516

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

Total pages for Certificate 999999-01203-5449: 2