



# CERTIFICATE OF NIST TRACEABLE CALIBRATION

Calibration Certificate No: 95575

## Customer Information

Customer: ILRT Inc.  
Address : 237 Phinney Road  
Hannibal, NY 13074



Customer PO #: PO220104A R0

## Calibration Procedure Information

Procedure ID: GTP Graftel-Temp

Revision #: 11

Revision Date: 4/15/2019

## Calibration Standards Information

<u>Graftel ID</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Description</u>	<u>CAL Due</u>
10017	Hart Scientific/Burns	1502A/12005	PRT, Temperature	10/29/2022
10129	Hart Scientific	1502A/5628	PRT, Temperature	5/8/2022
60030	Paroscientific	760-100A	Pressure, 100 psia	5/20/2022
T1830459	Vaisala	HMW95D	RH/Temp. Logger	6/17/2022
1A01JMGKP36	Graftel	N/A	Digital Barometer	6/16/2022

## Sensor Information

Manufacturer: Graftel

Description: Temp. Sensor

Method Used: Temp. Bath/PRT

Model #: 9202

Rated Accuracy:  $\pm 1$  Difference

Accuracy Specified By: Graftel

Instrument ID#: GP-0112

Range: 50 to 150 °F

Condition: Functional

Serial #: 0392016-87

Comments: Calibration Date: 01/31/2022

Calibration Due: 01/31/2023

*This calibration is Nuclear Safety Related. 10CFR50 Appendix B and 10CFR Part 21 apply.*

*The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). The reported calibration uncertainty has a confidence level of 95% ( $k=2$ ). A calibration uncertainty ratio of 4:1 was maintained unless required uncertainty is supported by analysis. Graftel Quality Assurance System complies with applicable requirements of ISO/IEC-17025-2017, ANSI/NCSL Z540-I-1994 and ISO 9001. All results contained within this certificate relate only to item(s) calibrated. This certificate shall not be reproduced except in full and with the written consent of Graftel. Acceptance Criteria per Simple Acceptance Rule: Measurement Uncertainty is not applied to the measured value when in/out of tolerance statement is made.*

Performed By:

Philip Davis  
Calibration Technician

Date: 1/31/2022

Approved By:

Scott Pickett  
Vice President, Lab Services

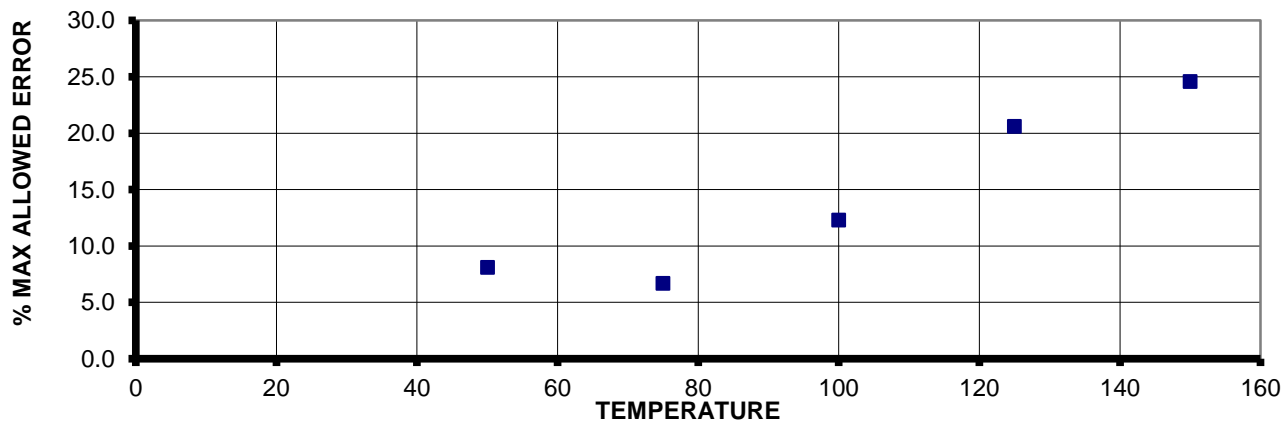
Date: 1/31/2022

**ATTACHMENT TO CALIBRATION CERTIFICATE 95575  
AS FOUND / AS LEFT DATA**

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Reading From Standard, °F	Lower Limit of Meter Reading, °F	Measured Reading From Meter, °F	Upper Limit of Meter Reading, °F	Error, °F	Measurement Uncertainty (k=2) °F	CMC (k=2) °F	STATUS
50.049	49.049	50.13	51.049	0.081	0.05	0.05	Pass
74.993	73.993	75.06	75.993	0.067	0.05	0.05	Pass
100.007	99.007	100.13	101.007	0.123	0.05	0.05	Pass
124.994	123.994	125.20	125.994	0.206	0.05	0.05	Pass
149.974	148.974	150.22	150.974	0.246	0.05	0.05	Pass

**ERROR CHART**



**Instrument Specifications**

Lower Range:	50	°F
Upper Range:	150	°F
Resolution:	0.01	°F
Rated Accuracy:	1	Difference

**Laboratory Ambient Conditions**

Pressure:	14.41	psia
Humidity:	15.51	%RH
Temperature:	70.62	°F



FLOW - TEMPERATURE - HUMIDITY - PRESSURE - DESIGN - CONSULTING - ENGINEERING

**NIST Traceable Calibration Data Sheet**

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