



# CERTIFICATE OF NIST TRACEABLE CALIBRATION

Calibration Certificate No: 96481

## Customer Information

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



Customer PO #: PO220205A

## Calibration Procedure Information

Procedure ID: GTP Piston-Gauge

Revision #: 3

Revision Date: 11/29/2018

## Calibration Standards Information

<u>Graftel ID</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Description</u>	<u>CAL Due</u>
14011	Fluke	2465-727	Low-Mid Piston Cylinder	2/28/2023
14013	Fluke	2456-800	Piston Gauge Monitor	3/2/2023
14014	Fluke	2465A-799	Mass Set 1 - 14	3/2/2023
14016	Fluke	2455-11-006	PRT	3/2/2023
T1830461	Vaisala	HMW95D	RH/Temp. Logger	6/17/2022
1A01JMGKP36	Graftel	N/A	Digital Barometer	6/16/2022

## Sensor Information

Manufacturer: Paroscientific, Inc.      Description: Digital Pressure Gauge      Method Used: Piston Gauge  
Model #: 765-100A      Rated Accuracy:  $\pm 0.02$  Difference      Accuracy Specified By: Graftel  
Instrument ID#: II-0090      Range: 0 to 100      Condition: Functional  
Serial #: 114449

Comments: Calibration Date: 02-28-2022  
Calibration Due: 08-28-2022

*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/NC SL 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:   
Joselito Zosa  
Calibration Technician

Date: 2/28/2022

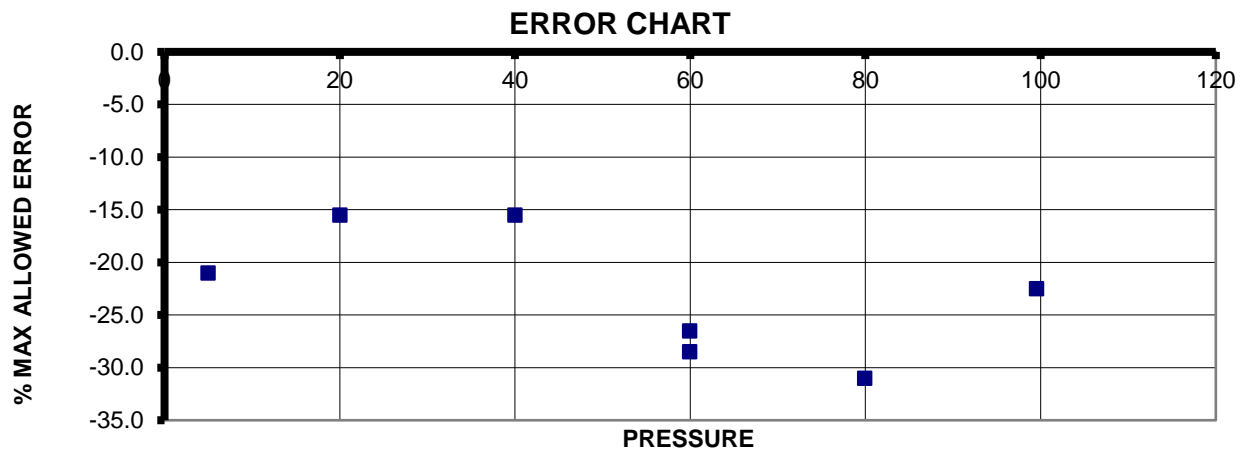
Approved By:   
Scott Pickett  
Vice President, Lab Services

Date: 3/3/2022

**ATTACHMENT TO CALIBRATION CERTIFICATE 96481  
AS FOUND / AS LEFT DATA**

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Reading From Standard, psia	Lower Limit of Meter Reading, psia	Measured Reading From Meter, psia	Upper Limit of Meter Reading, psia	Error, psia	Measurement Uncertainty, psia	STATUS
4.9601	4.9401	4.9559	4.9801	-0.0042	0.0004	Pass
20.0193	19.9993	20.0162	20.0393	-0.0031	0.0006	Pass
39.9854	39.9654	39.9823	40.0054	-0.0031	0.0008	Pass
59.9521	59.9321	59.9464	59.9721	-0.0057	0.0010	Pass
79.9192	79.8992	79.9130	79.9392	-0.0062	0.0012	Pass
99.5477	99.5277	99.5432	99.5677	-0.0045	0.0014	Pass
59.9531	59.9331	59.9478	59.9731	-0.0053	0.0010	Pass



**INSTRUMENT SPECIFICATIONS**

Test Fluid	N2	
Lower Range	0	psia
Upper Range	100	psia
Rated Accuracy	0.02	Difference

**LABORATORY AMBIENT CONDITIONS**

Pressure	14.38	psia
Humidity	17.54	% RH
Temperature	72.59	F



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

**NIST Traceable Calibration Data Sheet**

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