

# Certificate of Calibration

Customer: ILRT, INC.

17880 ALTHEA BLUE PLACE  
LUTZ FL 33558-6056  
(877) 333-4578

P.O. Number: PO220104B R0

**ID Number: II-0075**



Description: HUMIDITY & TEMPERATURE METER  
Manufacturer: VAISALA  
Model Number: HM 34  
Serial Number: C1730013  
Technician: TAYLOR FLOYD

Calibration Date: 01/06/2022  
Calibration Due: 01/06/2023  
Procedure: TMI-HYGROTHERMOGRAPHS  
Rev: 8/24/2020  
Temperature: 71 °F  
Humidity: 40 % RH

On-Site Calibration:   
Comments:

**As Found Condition: IN TOLERANCE**  
**Calibration Results: IN TOLERANCE**

Limiting Attribute:

This instrument has been calibrated using standards traceable to the SI units through the National Institute of Standards and Technology (NIST) or other National Metrological Institute (NMI). The method of calibration is direct comparison to a known standard, derived from natural physical constants, ratio measurements or compared to consensus standards.

Reported uncertainties are expressed as expanded uncertainty values at an approximately 95% confidence level using a coverage factor of k=2. Statements of compliance are based on test results falling within specified limits with no reduction by the uncertainty of the measurement.

TMI's Quality System is accredited to ISO/IEC 17025:2017 and ANSI/NCSL Z540-1-1994. ISO/IEC 17025:2017 is written in a language relevant to laboratory operations, meeting the principles of ISO 9001 and aligned with its pertinent requirements. This calibration is within the current Scope of Accreditation and complies with the requirements of ISO/IEC 17025:2017 and TMI's Quality Manual, QM-1.

Results contained in this document relate only to the item calibrated. Calibration due dates appearing on the certificate or label are determined by the client for administrative purposes and do not imply continued conformance to specifications.

This certificate shall not be reproduced, except in full, without the written permission of Technical Maintenance, Inc. Measurements not currently on TMI's Scope of Accreditation are identified with an asterisk.

WALLY GYNN, BRANCH MANAGER

Scott Chamberlain, QUALITY MANAGER

### Calibration Standards

<u>Asset Number</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Date Calibrated</u>	<u>Cal Due</u>
0710649	THUNDER SCIENTIFIC	2500ST	8/30/2021	6/10/2022
71512	FLUKE	5616-12	12/22/2021	12/22/2022
A88072	FLUKE/HART	1502A	9/27/2021	2/7/2022



**Technical Maintenance, Inc.**

12530 TELECOM DRIVE, TEMPLE TERRACE, FL 33637

Phone: 813-978-3054 Fax 813-978-3758

[www.tmicalibration.com](http://www.tmicalibration.com)



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## Data Sheet

<u>Parameter</u>	<u>Nominal</u>	<u>Minimum</u>	<u>Maximum</u>	<u>As Found</u>	<u>As Left</u>	<u>Uncertainty</u>	<u>Unit ADJ/FAIL</u>
Temperature Accuracy	50.0	49.0	51.0	50.0	50.0	0.071°F	°F
Temperature Accuracy	85.0	84.0	86.0	84.8	84.8	0.071°F	°F
Temperature Accuracy	120.0	119.0	121.0	119.4	119.4	0.071°F	°F
Humidity Accuracy	10.0	6.5	13.5	9.4	9.4	0.51%RH	%RH
Humidity Accuracy	50.0	46.5	53.5	48.4	48.4	0.51%RH	%RH
Humidity Accuracy	90.0	86.5	93.5	87.5	87.5	0.51%RH	%RH



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