AIRFLOW PROS

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Tempature Probe	Evergreen Telemetry	PR-T-5 / 2100332	8/4/2023	8/4/2025
Pressure Module	Evergreen Telemetry	S-PVF-1 / 2200372C	8/4/2023	8/4/2025
Module Sensor	Evergreen Telemetry	MS-T&H-101 / 2100151B	8/4/2023	8/4/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-1 / 2100151	8/4/2023	8/4/2024
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2200099	8/4/2023	8/4/2024
Stroboscope / Photo-Tach	Extech	461825 / H.437763	8/18/2023	8/18/2024
AC/DC Clamp-On	AMPROBE	AMP-220 / 200501513	8/16/2023	8/16/2024
Water Meter	TSI	HM675 / 71339127	6/27/2023	6/27/2024
Anemometer	Amprobe	TMA-10A / 031422-1	9/22/2023	9/22/2024

EVERGREEN TELEMETRY

Certificate of Calibration

AirFlow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	74	°F
Model			PR-T-5	Rel. Humidity	35	%
SN			2100332	Bar. Pressure	28.6	in Hg

☒ As Found ☒ As Left ☒ In Tolerance ☐ Out of Tolerance

Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range Min	Allowable Range Max	Test Instrument	
Cal Lab Module & Test Probe	Spec					
Temperature (°F)	1	78.3	-0.3	+0.3	78.4	
	2	242.2	-2.6	+2.6	242.7	
	3	-44.3	-1.6	+1.6	-44.6	

Indicates out of tolerance condition ----↑

Calibration Standard SN & Dates

Variable	System ID	Calibration Last	Calibration Due
Temperature	21396189	5-Oct-21	5-Oct-23

This instrument has been checked for accuracy, calibrated to manufacturer's specifications, and found to be within the specified tolerance unless otherwise stated. It has been calibrated using measurement standards traceable to the National Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Tom L Ingles
Calibrated By

4-Aug-2023
Calibration Date

4-Aug-2025
Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

EVERGREEN TELEMETRY

Certificate of Calibration

AirFlow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	74	°F
Model	S-PVF-1	Rel. Humidity	35	%
SN	2200372C	Bar. Pressure	28.6	in Hg

☒ As Found ☒ As Left ☒ In Tolerance ☐ Out of Tolerance

Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range Min	Allowable Range Max	Test Instrument	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.1	
	2	28.6			28.7	
	3	33.0			33.1	
Differental Pressure (in wc)	Spec		-2%-.001	+2%+.001		
	1	10.00			9.988	
	2	2.000			1.997	
	3	0.5000			0.4992	
	4	0.0500			0.0500	
	5	-10.00			-10.016	
	6	-0.0500			-0.0500	
			-3% - 7	+3% + 7		
Via Pitot >>	7	0.00063 / 101			101	
Velocity Pressure >> (inW.C. / FPM) -3% -7	8	0.016 / 507			508	

Indicates out of tolerance condition ----------↑

NIST-Traceable Lab Calibration Standards

Variable	System ID	Calibration Last	Calibration Due
Pressure	7481227	8-Mar-23	8-Mar-25
Pressure	7568470	8-Mar-23	8-Mar-25
Pressure	7871917	16-Nov-21	16-Nov-23
Pressure	7870754	16-Nov-21	16-Nov-23
Pressure	2205000006	27-Jan-22	27-Jan-24
Velocity	2100191A	24-Feb-23	24-Feb-25

This instrument has been checked for accuracy, calibrated to manufacturer's specifications, and found to be within the specified tolerance unless otherwise stated. It has been calibrated using measurement standards traceable to the National Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Calibrated By

4-Aug-2023 Calibration Date

4-Aug-2025 Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

EVERGREEN TELEMETRY

Certificate of Calibration

AirFlow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	74	°F
Model	MS - T&H - 101	Rel. Humidity	35	%
SN	2100151B	Bar. Pressure	28.6	in Hg

☒ As Found ☒ As Left ☒ In Tolerance ☐ Out of Tolerance

Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range Min	Allowable Range Max	Test Instrument	
Cal Lab Probe & Test Module	Spec					
Temperature (°F)	1	78.6	-0.3	+0.3	78.5	
	2	242.2	-2.6	+2.6	241.9	
	3	-44.0	-1.6	+1.6	-44.6	

Indicates out of tolerance condition -----↑

Calibration Standard SN & Dates

Variable	System ID	Calibration Last	Calibration Due
Temperature	21396189	5-Oct-21	5-Oct-23

This instrument has been checked for accuracy, calibrated to manufacturer's specifications, and found to be within the specified tolerance unless otherwise stated. It has been calibrated using measurement standards traceable to the National Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Tom Engles

Calibrated By

4-Aug-2023 — Calibration Date

4-Aug-2025 — Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

EVERGREEN TELEMETRY

Certificate of Calibration

AirFlow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	74	°F
Model	PR-TH-1	Rel. Humidity	35	%
SN	2100151	Bar. Pressure	28.6	in Hg

☐ As Found ☒ As Left ☒ In Tolerance ☐ Out of Tolerance

Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range Min	Allowable Range Max	Test Instrument	
Temperature (°F)	Spec					
	1	38.9	-1.0	1.0	39.1	
	2	78.7	-1.0	1.0	78.8	
	3	86.7	-1.0	1.0	86.8	
	4	129.0	-2.0	2.0	129.3	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.0	
	2	28.6			28.6	
	3	33.0			33.0	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	3.4			3.0	
	2	22.1			22.9	
	3	62.6			61.0	
	4	91.8			90.2	

Indicates out of tolerance condition -------↑

Calibration Standard

Variable	System ID	Calibration Last	Calibration Due
Temperature	21396189	5-Oct-21	5-Oct-23
Pressure	2205000006	27-Jan-22	27-Jan-24
Humidity	20558772	26-Oct-21	26-Oct-23

This instrument has been checked for accuracy, calibrated to manufacturer's specifications, and found to be within the specified tolerance unless otherwise stated. It has been calibrated using measurement standards traceable to the National Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Temperature accuracy (dry bulb) varies across the operating range:

Temperature over 32-100F +/- 1.0 F
Temperature over 100-158F +/- 2.0 F

Tom Angres
Calibrated By

4-Aug-2023 Calibration Date

4-Aug-2024 Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

EVERGREEN TELEMETRY

Certificate of Calibration

AirFlow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	74	°F
Model			PR-T-4-6	Rel. Humidity	35	%
SN			2200099	Bar. Pressure	28.6	in Hg

☒ As Found ☒ As Left ☒ In Tolerance ☐ Out of Tolerance

Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range Min	Allowable Range Max	Test Instrument	
Cal Lab Module & Test Probe	Spec					
Temperature (°F)	1	78.3	-0.3	+0.3	78.5	
	2	242.2	-2.6	+2.6	242.7	
	3	-44.2	-1.6	+1.6	-43.8	

Indicates out of tolerance condition ----↑

Calibration Standard SN & Dates

Variable	System ID	Calibration Last	Calibration Due
Temperature	21396189	5-Oct-21	5-Oct-23

This instrument has been checked for accuracy, calibrated to manufacturer's specifications, and found to be within the specified tolerance unless otherwise stated. It has been calibrated using measurement standards traceable to the National Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Calibrated By

4-Aug-2023 Calibration Date

4-Aug-2025 Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

Certificate Number
A5179774
Issue Date: 08/18/23

Certificate of Calibration

Customer: AIRFLOW PROS
1001 EASTWIND DRIVE SUITE 203
WESTERVILLE, OHIO 43081
614-807-5555

P.O. Number:

ID Number: H.437763

Description:	PHOTO/STROBE TACHOMETER	Calibration Date:	08/18/2023
Manufacturer:	EXTECH	Calibration Due:	08/18/2024
Model Number:	461825	Procedure:	33K6-4-869-1 Rev: 5/30/2022
Serial Number:	H.437763	Temperature:	68 °F
Technician:	JESSE LOWRY	Humidity:	40 % RH
		As Found Condition:	**IN TOLERANCE**
On-Site Calibration: ☐		**Calibration Results:**	**IN TOLERANCE**
Comments:			

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 unless otherwise noted.

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 complies with all the requirements of ANSI/NCSL Z540-1-1994 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.

MATT AYRES

Scott Chamberlain, QUALITY MANAGER

Calibration Standards

Asset Number	Manufacturer	Model Number	Date Calibrated	Cal Due
HLRD137	FLUKE	5522A	5/25/2023	5/25/2024
HLRD301	OMEGA	OMDVTH	7/20/2022	8/26/2023

TMI Technical Maintenance, Inc.
4613 NORTHWEST PARKWAY, HILLIARD, OHIO 43026
Phone: 614-850-9940 Fax 614-850-9945
www.tmicalibration.com

ANSI/NCSL Z540-1-1994

Certificate Number
A5176970
Issue Date: 08/16/23

Certificate of Calibration

Customer: AIRFLOW PROS
1001 EASTWIND DRIVE SUITE 203
WESTERVILLE, OHIO 43081
614-807-5555

P.O. Number:

ID Number: 200501513

Description:	CLAMP METER	Calibration Date:	08/16/2023
Manufacturer:	AMPROBE	Calibration Due:	08/16/2024
Model Number:	AMP-220	Procedure:	33K1-4-2347-1 Rev: 2/28/2022
Serial Number:	200501513	Temperature:	68 °F
Technician:	JESSE LOWRY	Humidity:	40 % RH
On-Site Calibration: ☐		**As Found Condition:**	**IN TOLERANCE**
Comments:		**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 unless otherwise noted.

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 complies with all the requirements of ANSI/ NCSL Z540-1-1994 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.

Measurements not currently on TMI's Scope of Accreditation are identified with an asterisk.

MATT AYRES

Scott Chamberlain, QUALITY MANAGER

Calibration Standards

Asset Number	Manufacturer	Model Number	Date Calibrated	Cal Due
HLRD132	FLUKE	5720A	12/14/2022	12/14/2023
HLRD301	OMEGA	OMDVTH	7/20/2022	8/26/2023

TMI Technical Maintenance, Inc.
4613 NORTHWEST PARKWAY, HILLIARD, OHIO 43026
Phone: 614-850-9940 Fax 614-850-9945
www.tmicalibration.com

ANSI/NCSL Z540-1-1994

CERTIFICATE OF CALIBRATION

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA
TEL:1-800-874-2811 1-651-490-2811 FAX: 1-651-490-3824 www.tsi.com

ENVIRONMENT CONDITION		
TEMPERATURE	72.7	° F
RELATIVE HUMIDITY	49.0	% RH
BAROMETRIC PRESSURE	29.00	inHg

MODEL	Hydronic Manometer® HM675
SERIAL NO.	71339127

CALIBRATION STANDARDS USED
Hydronic Manometer Calibration System 1

☒ AS LEFT ☒ IN TOLERANCE
☐ AS FOUND ☐ OUT OF TOLERANCE

CALIBRATION DATA

TESTING POINTS	DIFFERENTIAL PRESSURE MEASURED IN in.H2O			DIFFERENTIAL PRESSURE MEASURED IN PSI		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	0.0	**0.0**	-2.0 ~ 2.0	9.995	**9.980**	9.823 ~ 10.17
2	24.7	**24.7**	22.5 ~ 26.9	25.01	**24.98**	24.69 ~ 25.33
3	50.5	**50.3**	48.0 ~ 53.0	125.5	**125.5**	124.2 ~ 126.8
4	100.5	**100.3**	97.5 ~ 103.5	225.9	**225.8**	223.6 ~ 228.2

TESTING POINTS	GAUGE PRESSURE MEASURED IN in.H2O			GAUGE PRESSURE MEASURED IN PSI		
	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE	CALIBRATION STANDARD	INSTRUMENT OUTPUT	ALLOWABLE RANGE
1	0.0	**0.0**	-2.0 ~ 2.0	9.995	**9.989**	9.823 ~ 10.17
2	24.7	**24.7**	22.5 ~ 26.9	25.01	**24.97**	24.69 ~ 25.33
3	50.5	**50.4**	48.0 ~ 53.0	125.5	**125.5**	124.2 ~ 126.8
4	100.5	**100.3**	97.5 ~ 103.5	225.9	**225.9**	223.6 ~ 228.2

TEMPERATURE MEASURED IN °F[1]					
CALIBRATION STANDARD	-37.8	5.0	77.0	158.0	230.0
INSTRUMENT OUTPUT 1	**-37.77**	**5.05**	**76.98**	**157.97**	**229.92**
INSTRUMENT OUTPUT 2	**-37.77**	**5.05**	**76.98**	**157.97**	**229.92**
ALLOWABLE RANGE	-38.2 ~ -37.4	4.8 ~ 5.2	76.8 ~ 77.2	157.8 ~ 158.2	229.6 ~ 230.4

** Indicates out of tolerance condition*

[1] Circuit portion of temperature measurement only, not including probe

TSI Incorporated does hereby certify that the above described instrument conforms to the original manufacturer's specifications (not applicable to As Found data) and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology within the limitations of NIST's calibration services or have been derived from accepted values of natural physical constants or have been derived by the ratio type of self calibration techniques. The calibration ratio for this instrument is better than 1:1. TSI is registered to ISO-9001:2015 and complies with ISO 10012:2003, Quality Assurance Requirements for Measuring Equipment. This report may not be reproduced, except in full, unless permission for the publication of an approved abstract is obtained in writing from the calibration organization issuing this report.

Measurement Variable	System ID Number	Date Last Calibrated	Calibration Due Date
DC Voltage	E002815	06-08-22	12-29-23
DC Voltage	E002818	06-08-22	12-29-23
Pressure	E004626	12-12-22	12-31-23

Calibration procedure used: 10000026004

Calibrated By

Jun. 27, 2023
Calibration Date

10000027850A

TSI P/N 2300157

Hoover Instrument Service, Inc.
401 North Home Road
Mansfield, Ohio 44906-2398
(419) 529-3226 Fax(419) 529-9360

To: **Airflow Pros**
1001 Eastwind Drive - Suite 203
Westerville, OH 43081

Test Report # 63212
P.O.#
Date: 9/22/23

Condition as Received ☐ Returned ☒ In Tolerance ☒ Out of Tolerance ☐ Data on Next Sheet ☐

		Hoover	Customer	Hoover	Customer	Hoover	Customer
Make:	**Amprobe**			**feet/minute**		**temperature fahrenheit**	
Description:	**anemometer**			220	227	73.2	74.0
Model #	**TMA-10A**			450	450		
Mfg Serial #	**031422-1**			660	658		
Customer #				890	881		
RH % 53	Temperature: 23 °C			1200	1208		
Accuracy:				1670	1675		
	Temp = +/- 1.5 °F						
	+/- 2% of F.S.						
Accuracy of Standard:							
	+/- 5 ft/min						
	Temp = +/- 0.5 °F						

Services Performed:
- ☐ Cleaned
- ☐ Zero Adjusted
- ☐ Movement Repaired
- ☐ Adjust Calibration
- ☐ Pointer Repaired
- ☒ Repaired
- ☐ Reset Pointer
- ☒ Batteries

☐ Calibration Location On Site

Test Instruments Used:			Due Date:
Tegam	#855	s/n T-113227	12/23
TSI	#8330	s/n 95030100	6/24

Notes: Replaced Rotating Vane Cable

Calibration Procedure: **5075-23** Revision: **0**

Calibration Cycle: **1 year**

Tested By: [signature]

Quality Control: [signature]