



### INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Water Meter	TSI	HM-675 / 71437155	5/24/2024	5/24/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2300112	5/3/2024	5/3/2025
Stroboscope/Photo-Tach	Extech	461825 / H443223	5/23/2024	5/23/2025
Anemometer	Amprobe	TMA-10A / 23070002	5/23/2024	5/23/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2300216	5/3/2024	5/3/2025
AC/DC Clamp-On	Amprobe	AMP-220 / 221200071	5/24/2024	5/24/2025
Pressure Module	Evergreen Telemetry	PVF-1 / 2300425C	5/3/2024	5/3/2025
Module Sensor	Evergreen Telemetry	T&H-101 / 2300183C	5/3/2024	5/3/2025

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, Ohio 43081

Test Report # 64594  
 P.O.# \_\_\_\_\_  
 Date: 5/24/24

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

Make:	TSI	inches of water		PSI		feet of water	
		Hoover	Customer	Hoover	Customer	Hoover	Customer
Description:	hydronic manometer	25.00	24.7	5.00	4.985	1.000	0.95
		50.00	49.6			2.000	1.94
Model #	HM-675	75.00	74.2	10.00	9.982	3.000	2.95
		100.00	99.0			4.000	3.94
Mfg Serial #	71437155	150.00	148.5	25.00	24.97	5.000	4.95
		200.00	199.0			7.500	7.43
Customer #		250.00	249.0	50.00	49.94	10.00	9.93
		300.00	299.1			25.00	24.89
RH % <u>57</u> Temperature: <u>23</u> °C		350.00	349.1	75.00	74.91	50.00	49.84
		400.00	399.1			75.00	74.82
Accuracy:		500.0	498.8			100.00	99.75
+/- 1% of rdg.		750.0	749.0			150.00	149.6
or +/- 0.036 psi		1000.0	999.2				
+/- 0.08 ft of water		1250.0	1249				
+/- 1.0 in of water		1500.0	1499				
whichever is greater							
Accuracy of Standard:							
+/- 0.1%							

Services Performed:

- Cleaned
- Zero Adjusted
- Movement Repaired
- Adjust Calibration
- Pointer Repaired
- Repaired
- Reset Pointer
- Batteries
- Calibration Location On Site

Test Instruments Used:

Crystal #300psiXP2i s/n 821664  
 Crystal #30psiXP2i s/n 462180

Due Date:

6/24  
2/24

Notes:

Calibration Procedure: 5040-33

Revision: 0

Calibration Cycle: 1 year

Tested By:

*[Signature]*

Quality Control:

*[Signature]*



# Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	74	°F
Model	PR-TH-12	Rel. Humidity	28	%
SN	2300112	Bar. Pressure	28.5	in Hg

As Found     
  As Left     
  In Tolerance     
  Out of Tolerance

## Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument
			Min	Max	
Temperature (°F)	Spec				
	1	40.4	-1.0	1.0	40.2
	2	74.1	-1.0	1.0	74.3
	3	85.8	-1.0	1.0	85.7
	4	128.4	-2.0	2.0	128.4
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1	
	1	20.0			20.0
	2	28.6			28.5
	3	33.0			33.0
Humidity %RH 10 to 90%	Spec		-3	3	
	1	10.6			10.7
	2	23.1			25.1
	3	57.0			55.7
	4	90.1			87.6

Indicates out of tolerance condition -----↑

## Calibration Standard

Variable	System ID	Calibration Last	Calibration Due
Temperature	16320239	12-Sep-23	12-Sep-25
Temperature	21396189	5-Feb-24	5-Feb-26
Pressure	2205000006	13-Sep-23	13-Sep-25
Pressure	1208000080	13-Feb-23	13-Feb-25
Humidity	20558772	12-Sep-23	12-Sep-24
Humidity	20052171	5-Feb-24	5-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 Institute 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

\_\_\_\_\_  
 Calibrated By

\_\_\_\_\_      \_\_\_\_\_  
 3-May-2024      3-May-2025  
 Calibration Date      Date Due

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, Ohio 43081**

Test Report # 64592  
 P.O.# \_\_\_\_\_  
 Date: 5/23/24

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

Make:	Hoover	Customer	RPM		RPM	
			Hoover	Customer	Hoover	Customer
<b>Extech</b>			<b>Photo-Tach</b>		<b>Stroboscope</b>	
Description: <b>stroboscope / photo-tach</b>			300.0	<u>300.0</u>	300.0	<u>300.0</u>
Model # <b>461825</b>			600.0	<u>600.0</u>	600.0	<u>600.0</u>
Mfg Serial # <b>H443223</b>			900.0	<u>900.0</u>	900.0	<u>900.0</u>
Customer # _____			1800	<u>1800</u>	1800	<u>1800</u>
RH % <u>53</u> Temperature: <u>24</u> °C			3600	<u>3600</u>	3600	<u>3599</u>
Accuracy: <b>+/- 0.1 RPM +/- 2d</b>			7200	<u>7200</u>	7200	<u>7200</u>
Accuracy of Standard:						
strobe = +/- 0.05%						
photo = +/- 0.0008%						

- Services Performed:
- Cleaned
  - Movement Repaired
  - Pointer Repaired
  - Reset Pointer
  - Zero Adjusted
  - Adjust Calibration
  - Repaired
  - Batteries
  - Calibration Location On Site

Test Instruments Used:	Due Date:	Notes:
<b>Altek</b> #40A s/n 195587	<u>8/24</u>	
<b>Sperry</b> #TACH-1 s/n L301594	<u>4/25</u>	

Calibration Procedure: **5023-2** Revision: **1**  
 Calibration Cycle: **1 year**

Tested By: [Signature] Quality Control: [Signature]

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, Ohio 43081**

Test Report # 93131  
 P.O.# \_\_\_\_\_  
 Date: 9/8/23

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

	Hoover	Customer	Hoover feet/minute	Customer	Hoover temperature fahrenheit	Customer
Make: <b>Amprobe</b>						
Description: <b>anemometer</b>			<u>415</u>	<u>421</u>	<u>73.2</u>	<u>73.7</u>
Model # <b>TMA-10A</b>			<u>600</u>	<u>603</u>		
Mfg Serial # <u>23070002</u>			<u>800</u>	<u>806</u>		
Customer # _____			<u>1040</u>	<u>1050</u>		
RH % <u>57</u> Temperature: <u>23</u> °C			<u>1580</u>	<u>1587</u>		
Accuracy: Temp = +/- 1.5 °F +/- 2% of F.S.						
Accuracy of Standard: +/- 5 ft/min Temp = +/- 0.5 °F						

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

**Tegam** #855 s/n T-113227  
**TSI** #8330 s/n 95030100

Due Date:

12/23  
6/24

Notes:

New

Calibration Procedure: 5075-23

Revision: 0

Calibration Cycle: 1 year

Tested By: 

Quality Control: 



# Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	75	°F
Model			PR-T-4-6	Rel. Humidity	28	%
SN			2300216	Bar. Pressure	28.5	in Hg

As Found     
  As Left     
  In Tolerance     
  Out of Tolerance

## Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument	
			Min	Max		
Cal Lab Module & Test Probe	Spec					
Temperature (°F)	1	75.5	-0.3	+0.3	75.3	
	2	241.6	-2.6	+2.6	242.9	
	3	-44.0	-1.6	+1.6	-44.0	

Indicates out of tolerance condition ----↑

## Calibration Standard SN & Dates

Variable	System ID	Calibration Last	Calibration Due
Temperature	16320239	12-Sep-23	12-Sep-25
Temperature	21396189	5-Feb-24	5-Feb-26

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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

\_\_\_\_\_  
 Calibrated By

3-May-2024      3-May-2026  
 Calibration Date      Date Due

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 # 64588  
 P.O.# \_\_\_\_\_  
 Date: 5-24-24

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

	Make:	Hoover		Customer		Hoover		Customer	
		DCV	ACV	Resistance					
Description:	<b>ac/dc clamp-on</b>	50.00	49.9	50.00	49.9	100.0	100.3		
Model #	<b>AMP-220</b>	100.0	99.8	100.0	99.9	1.000 K	1.000		
Mfg Serial #	<b>221200071</b>	150.0	149.8	150.0	149.9	10.000 K	9.99		
		250.0	249.7	250.0	249.9				
		500.0	499.4	500.0	499.6				
Customer #									
RH %	<u>56</u>	<b>DCA</b>		<b>ACA</b>					
Temperature:	<u>22.0 C</u>	25.0	25.3	25.0	25.4				
Accuracy:	acv = +/- 1% +/- 5d	50.0	49.8	50.0	50.9				
	aca = +/- 1.8% +/- 5d	75.0	75.0	75.0	76.3				
	dcv = +/- 1% +/- 5d	100.0	100.5	100.0	101.8				
	dca = +/- 2% +/- 5d	200.0	203.1	200.0	202.5				
	res = +/- 1% +/- 5d	300.0	303.2	300.0	304.0				
Accuracy of Standard:		400.0	403.8	400.0	405.8				
	acv = +/- 0.5%	500.0	503.7	500.0	503.9				
	dca = +/- 0.03%								
	aca = +/- 0.5%								
	res = +/- 0.1%								

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

**Amprobe** #BDM40-UA s/n 07110052  
**Shallcross** #830 s/n 21107

Due Date:

6-24  
4-25

Notes:

Calibration Procedure: **5075-33**

Revision: **0**

Calibration Cycle: **1 year**

Tested By: Jeannie Smith

Quality Control: [Signature]





# Certificate Of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	75	°F
Model	S-PVF-1	Rel. Humidity	28	%
SN	2300425C	Bar. Pressure	28.5	in Hg

As Found     
  As Left     
  In Tolerance     
  Out of Tolerance

## Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument
			Min	Max	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1	
	1	20.0			20.0
	2	28.5			28.6
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.972
	2	2.000			1.994
	3	0.5000			0.4971
	4	0.0500			0.0497
	5	-10.00			-9.999
	6	-0.0500			-0.0499
Via Pitot >>	7	0.00071 / 107	-3% - 7	+3% + 7	107
Velocity Pressure >> (inW.C. / FPM) -3% -7	8	0.0159 / 505			504

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	12-Sep-23	12-Sep-25
Pressure	7870754	12-Sep-23	12-Sep-25
Pressure	2205000006	13-Sep-23	13-Sep-25
Pressure	1208000080	13-Feb-23	13-Feb-25
Pressure	41001F6C	27-Apr-23	27-Apr-25
Velocity	2100191A	24-Feb-23	24-Feb-25
Velocity	2100190A	1-May-23	1-May-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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type or self calibrated techniques.

Calibrated By

3-May-2024

Calibration Date

3-May-2026

Date Due





# Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	75	°F
Model	MS - T&H - 101	Rel. Humidity	28	%
SN	2300183C	Bar. Pressure	28.5	in Hg

As Found     
  As Left     
  In Tolerance     
  Out of Tolerance

## Calibration Data

Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument	
			Min	Max		
Cal Lab Probe & Test Module	Spec					
Temperature (°F)	1	75.5	-0.3	+0.3	75.3	
	2	241.6	-2.6	+2.6	242.9	
	3	-44.0	-1.6	+1.6	-44.0	

Indicates out of tolerance condition ----↑

## Calibration Standard SN & Dates

Variable	System ID	Calibration Last	Calibration Due
Temperature	16320239	12-Sep-23	12-Sep-25
Temperature	21396189	5-Feb-24	5-Feb-26

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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type or self calibrated techniques.

\_\_\_\_\_  
 Calibrated By

3-May-2024      3-May-2026  
 Calibration Date      Date Due