



INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Tachometer	Extech	461895 / H388838	5/23/2024	5/23/2025
Pressure/Velocity Module	Evergreen Telemetry	PVF-1 / 2200353C	5/3/2024	5/3/2025
ACDC Clamp-On	Amprobe	AMP-220 / 240100047	8/22/2024	8/22/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2300134	5/3/2024	5/3/2025
Module Sensor	Evergreen Telemetry	T&H-101 / 2300246C	5/3/2024	5/3/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2300326	5/3/2024	5/3/2025
Anemometer	Amprobe	TMA-10A / 15040025	5/23/2024	5/23/2025
Pressure Module	Evergreen Telemetry	PVF-1 / 2300705D	10/10/2023	10/10/2024
Water Meter	TSI	HM-675 / 71540171	5/24/2024	5/24/2025

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, OH 43081

Test Report # 64593
 P.O.# _____
 Date: 5/23/21

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make: <u>Extech</u>						
Description: <u>tachometer</u>						
Model # <u>461895</u>						
Mfg Serial # <u>H388838</u>						
Customer # _____						
RH % <u>53</u> Temperature: <u>24 °C</u>						
Accuracy:						
<u>+/- 0.05%</u> <u>+/- 1d</u>						
Accuracy of Standard:						
<u>+/- 0.0008%</u>						
			RPM			
			600.0	<u>600.0</u>		
			900.0	<u>899.9</u>		
			1800.0	<u>1800</u>		
			3000.0	<u>3000</u>		
			3600.0	<u>3599</u>		
			6000.0	<u>6000</u>		
			7200.0	<u>7199</u>		

Services Performed:

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

Test Instruments Used:

Altek #40A s/n 195587

Due Date:

8/24

Notes:

Calibration Procedure: 5023

Revision: 4

Calibration Cycle: 1 year

Tested By:

[Signature]

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	2200353C	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			20.1
	2	28.5			28.6
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.969
	2	2.000			1.993
	3	0.5000			0.4957
	4	0.0500			0.0500
	5	-10.00			-9.996
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7	6	-0.0500			-0.0496
			-3% - 7	+3% + 7	
	7	0.00067 / 104			105
	8	0.0159 / 505			503

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 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 # 65098
 P.O.# _____
 Date: 8/22/24

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

Make:	Amprobe	Hoover		Customer		Hoover		Customer	
		DCV	ACV	Resistance	DCV	ACV	Resistance		
Description:	ac/dc clamp-on	50.00	49.9	50.00	49.9	100.0	99.9	100.0	99.9
Model #	AMP-220	100.0	99.8	100.0	99.8	1.000 K	0.999K	1.000 K	0.999K
Mfg Serial #	240100047	150.0	149.8	150.0	149.7	10.000 K	10.00K	10.000 K	10.00K
Customer #		250.0	249.7	250.0	249.6				
RH %	47	500.0	499.4	500.0	499.3				
Temperature:	23 °C								
Accuracy:	acv = +/- 1% +/- 5d	25.0	24.78	25.0	24.90				
	aca = +/- 1.8% +/- 5d	50.0	49.70	50.0	49.90				
	dcv = +/- 1% +/- 5d	75.0	74.7	75.0	74.8				
	dca = +/- 2% +/- 5d	100.0	99.5	100.0	99.7				
	res = +/- 1% +/- 5d	200.0	199.3	200.0	199.5				
Accuracy of Standard:		300.0	298.9	300.0	299.5				
	acv = +/- 0.5%	400.0	398.5	400.0	400.3				
	dca = +/- 0.3%	500.0	499.2	500.0	500.8				
	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:

12/24
 4/25

Notes:

New

Calibration Procedure: **5075-33**

Revision: **0**

Calibration Cycle: **1 year**

Tested By:

Quality Control:



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	74	°F
Model	PR-TH-12	Rel. Humidity	28	%
SN	2300134	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	40.4
	2	74.3	-1.0	1.0	74.3
	3	85.5	-1.0	1.0	85.5
	4	128.5	-2.0	2.0	128.2
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	11.0			11.4
	2	23.7			25.6
	3	57.0			55.2
	4	88.2			88.1

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

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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



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	2300246C	Bar. Pressure	28.5	in Hg

As Found
 As Left
 In Tolerance
 Out of Tolerance

Calibration Data

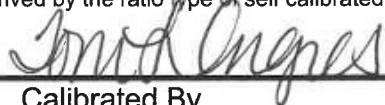
Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument	
			Min	Max		
Cal Lab Probe & Test Module	Spec					
Temperature (°F)	1	75.4	-0.3	+0.3	75.5	
	2	241.6	-2.6	+2.6	241.6	
	3	-44.0	-1.6	+1.6	-43.9	

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



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		2300326	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	75.4	-0.3	+0.3	75.5	
	2	241.6	-2.6	+2.6	241.6	
	3	-44.0	-1.6	+1.6	-43.9	

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.

David Hughes

 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 # 64590
P.O.# _____
Date: 5/23/24

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make:	Amprobe		feet/minute		temperature	
Description:	anemometer				fahrenheit	
Model #	TMA-10A		<u>425</u>	<u>432</u>	<u>74.8</u>	<u>75.4</u>
Mfg Serial #	15040025		<u>650</u>	<u>664</u>		
Customer #			<u>900</u>	<u>920</u>		
RH %	<u>53</u>	Temperature: <u>24°C</u>	<u>1280</u>	<u>1312</u>		
Accuracy:	Temp = +/- 1.5 °F +/- 2% of F.S.		<u>1680</u>	<u>1713</u>		
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:

12/24
6/24

Notes:

Calibration Procedure: **5075-23**

Revision: **0**

Calibration Cycle: **1 year**

Tested By:

Quality Control:



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	75	°F
Model	S-PVF-1	Rel. Humidity	30	%
SN	2300705D	Bar. Pressure	28.4	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			20.1	
	2	28.6			28.6	
	3	33.0			33.1	
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001		
	1	10.00			9.966	
	2	2.000			1.996	
	3	0.5000			0.5017	
	4	0.0500			0.0503	
	5	-10.00			-9.997	
	6	-0.0500			-0.0504	
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7	7	.00073 / 108	-3% - 7	+3% + 7	107	
	8	.0158 / 503			502	

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 of self-calibrated techniques.

 Calibrated By

10-Oct-2023 10-Oct-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 # 64595
 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	4.993	1.000	1.00
		50.00	49.6			2.000	1.98
Model #	HM-675	75.00	74.2	10.00	10.00	3.000	2.99
		100.00	99.2			4.000	3.99
Mfg Serial #	71540171	150.00	149.3	25.00	25.00	5.000	4.98
		200.00	199.3			7.500	7.48
Customer #		250.00	249.4	50.00	49.99	10.00	9.98
		300.00	299.0			25.00	24.96
RH %	53	350.00	349.3	75.00	74.99	50.00	49.92
Temperature	23 °C	400.00	399.1			75.00	74.90
Accuracy:		500.0	499.3			100.00	99.90
	+/- 1% of rdg.	750.0	749.7			150.00	149.8
	or +/- 0.036 psi	1000.0	1000				
	+/- 0.08 ft of water	1250.0	1250				
	+/- 1.0 in of water	1500.0	1500				
	whichever is greater						
Accuracy of Standard:							
	+/- 0.1%						

Services Performed:

- Cleaned Movement Repaired Pointer Repaired Reset Pointer
 Zero Adjusted Adjust Calibration Repaired Batteries

Calibration Location On Site

Test Instruments Used:

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

Due Date:

6/24
 2/25

Notes:

Calibration Procedure: **5040-33**

Revision: **0**

Calibration Cycle: **1 year**

Tested By:

[Signature]

Quality Control:

[Signature]