

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 # 66683
 P.O.# _____
 Date: 5/19/25

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

Make:	TSI	Hoover		Customer		Hoover		Customer	
		inches of water		PSI		feet of water			
Description:	hydronic manometer	25.00	24.8	5.00	4.963	1.000	0.94		
		50.00	49.6			2.000	1.94		
Model #	HM-675	75.00	74.2	10.00	9.959	3.000	2.93		
		100.00	98.6			4.000	3.93		
Mfg Serial #	71437155	150.00	148.8	25.00	24.91	5.000	4.94		
		200.00	198.9			7.500	7.42		
Customer #		250.00	248.9	50.00	49.90	10.00	9.92		
		300.00	298.7			25.00	24.88		
RH %	56	350.00	348.7	75.00	74.88	50.00	49.84		
Temperature:	21 °C	400.00	398.5			75.00	74.80		
Accuracy:		500.0	498.4			100.00	99.75		
	+/- 1% of rdg.	750.0	748.0			150.00	149.5		
	or +/- 0.036 psi	1000.0	998.7						
	+/- 0.08 ft of water	1250.0	1249						
	+/- 1.0 in of water	1500.0	1498						
	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:

6/25
2/26

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	73	°F
Model	PR-TH-12	Rel. Humidity	24	%
SN	2300112	Bar. Pressure	28.7	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	40.6	-1.0	1.0	40.6
	2	75.0	-1.0	1.0	75.3
	3	85.7	-1.0	1.0	85.8
	4	128.2	-2.0	2.0	128.2
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1	
	1	20.0			20.0
	2	28.7			28.8
	3	33.0			33.1
Humidity %RH 10 to 90%	Spec		-3	3	
	1	9.9			11.0
	2	21.0			23.4
	3	55.1			55.9
	4	87.9			86.8

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-May-25
Humidity	20558772	18-Sep-24	18-Sep-25
Humidity	20052171	5-Feb-24	5-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.

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

21-Apr-2025 21-Apr-2026

 Calibration Date Date Due

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Test Report # 66682
 P.O.# _____
 Date: 5/19/25

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

	Hoover		Customer		Hoover		Customer	
Make:	Extech				RPM		RPM	
Description:	stroboscope / photo-tach				Photo-Tach		Stroboscope	
Model #	461825				300.0	<u>300.0</u>	300.0	<u>299.9</u>
Mfg Serial #	H443223				600.0	<u>600.0</u>	600.0	<u>599.9</u>
Customer #					900.0	<u>900.0</u>	900.0	<u>899.9</u>
RH %	<u>56</u>	Temperature: <u>21</u> °C			1800	<u>1800</u>	1800	<u>1800</u>
Accuracy:	+/- 0.1 RPM +/- 2d				3600	<u>3600</u>	3600	<u>3600</u>
					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:

Altek	#40A	s/n 195587
Sperry	#TACH-1	s/n L301594

Due Date:

8/25
4/26

Notes:

Calibration Procedure: **5023-2**

Revision: **1**

Calibration Cycle: **1 year**

Tested BY: *Don Phyl*

Quality Control: *John*

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Test Report # 66681
 P.O.# _____
 Date: 5/19/25

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
			feet/minute		temperature fahrenheit	
Make: Amprobe						
Description: anemometer			250	255	69.2	69.7
Model # TMA-10A			520	527		
Mfg Serial # 23070002			745	752		
Customer # _____			980	993		
RH % <u>56</u> Temperature: <u>21</u> °C			1230	1248		
Accuracy: Temp = +/- 1.5 °F +/- 2% of F.S.			1540	1560		
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:

12/25
6/25

Notes:

Calibration Procedure: 5075-23

Revision: 0

Calibration Cycle: 1 year

Tested By: *[Signature]*

Quality Control: *[Signature]*



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product	Module	Probe	Temperature	73	°F	
Model		PR-T-4-6	Rel. Humidity	24	%	
SN		2300216	Bar. Pressure	28.7	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	75.3	-0.3	+0.3	75.2	
	2	211.1	-2.6	+2.6	211.4	
	3	-5.2	-1.6	+1.6	-5.1	

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

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 Calibrated By

21-Apr-2025 21-Apr-2027

 Calibration Date Date Due

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To: **Airflow Pros**
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Test Report # 66680
 P.O.# _____
 Date: 5/19/25

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

Make:	Hoover		Customer		Hoover		Customer	
	DCV		ACV		Resistance			
Amprobe	50.00	49.9	50.00	49.9	100.0	100.0	100.0	100.0
ac/dc clamp-on	100.0	99.8	100.0	99.8	1.000 K		1.000 K	1.000 K
Model # AMP-220	150.0	149.8	150.0	149.9	10.000 K		10.000 K	9.99 K
Mfg Serial # 221200071	250.0	249.7	250.0	249.8				
Mfg Serial #	500.0	499.4	500.0	499.5				
Customer #								
RH % 56	DCA		ACA					
Temperature: 21 °C	25.0	25.40	25.0	25.40				
Accuracy:	50.0	50.83	50.0	50.85				
acv = +/- 1% +/- 5d	75.0	76.6	75.0	76.4				
aca = +/- 1.8% +/- 5d	100.0	102.2	100.0	102.0				
dcv = +/- 1% +/- 5d	200.0	204.3	200.0	203.8				
dca = +/- 2% +/- 5d	300.0	306.2	300.0	305.8				
res = +/- 1% +/- 5d	400.0	408.0	400.0	407.0				
Accuracy of Standard:	500.0	510.3	500.0	509.2				
acv = +/- 0.5%								
dca = +/- 0.3%								
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:

6/25
4/26

Notes:

Calibration Procedure: **5075-33**

Revision: **0**

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	73	°F
Model	S-PVF-1	Rel. Humidity	24	%
SN	2300425C	Bar. Pressure	28.7	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	28.7			28.7
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.976
	2	2.000			1.999
	3	0.5000			0.4982
	4	0.0500			0.0499
	5	-10.00			-10.007
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7			-3% - 7	+3% + 7	
	7	.00071 / 107			106
	8	.0158 / 504			502

Indicates out of tolerance condition -----↑

NIST-Traceable Lab Calibration Standards

Variable	System ID	Calibration Last	Calibration Due
Pressure	7481227 / 7568470	8-Mar-23	8-Sep-25
Pressure	7871917 / 7870754	12-Sep-23	12-Sep-25
Pressure	11269047 / 12238595	25-Jul-24	25-Jul-26
Pressure	2205000006	13-Sep-23	13-Sep-25
Pressure	1208000080	13-Feb-23	13-May-25
Pressure	41001F6C	19-Jun-24	19-Jun-26
Velocity	2100191A	24-Feb-23	1-May-25
Velocity	2100190A	1-May-23	1-May-25

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 Calibrated By

21-Apr-2025 21-Apr-2027

 Calibration Date Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	73	°F
Model	MS - T&H - 101	Rel. Humidity	24	%
SN	2300183C	Bar. Pressure	28.7	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	75.3	-0.3	+0.3	75.2	
	2	211.1	-2.6	+2.6	211.4	
	3	-5.2	-1.6	+1.6	-5.1	

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

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Michael Ingas

 21-Apr-2025 21-Apr-2027
 Calibration Date Date Due