

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Module Sensor	Evergreen Telemetry	T&H-101 / 24J-00260	7/25/2024	7/25/2025
Pressure/Veloc- ity Module	Evergreen Telemetry	PVF-1 / 24D-00623	7/25/2024	7/25/2025
Humidity Sensor	Evergreen Telemetry	TH-12 / 2400132	7/29/2024	7/29/2025
Immersion Temp Probe	Evergreen Telemetry	T-4-6 / 2400316	7/25/2024	7/25/2025
ACDC Clamp-On	Amprobe	AMP-220 / 230901532	8/22/2024	8/22/2025
Stroboscope / Photo-Tach	Extech	461825 / H437769	8/22/2024	8/22/2025



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	71	°F
Model	MS - T&H - 101	Rel. Humidity	42	%
SN	24J-00260	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	75.0	-0.3	+0.3	75.1	
	2	241.7	-2.6	+2.6	242.7	
	3	-43.8	-1.6	+1.6	-43.6	

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

_____ _____
 25-Jul-2024 25-Jul-2026
 Calibration Date Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	71	°F
Model	S-PVF-1	Rel. Humidity	42	%
SN	24D-00623	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			20.1
	2	28.7			28.8
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.974
	2	2.000			1.986
	3	0.5000			0.4990
	4	0.0500			0.0497
	5	-10.00			-9.999
	6	-0.0500			-0.0502
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7			-3% - 7	+3% + 7	
	7	0.00072 / 107			106
	8	0.0158 / 504			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	19-Jun-24	19-Jun-26
Velocity	2100191A	24-Feb-23	24-Feb-25
Velocity	2100190A	1-May-23	1-May-25

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 Calibrated By

25-Jul-2024 25-Jul-2026
 Calibration Date Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	71	°F
Model	PR-TH-12	Rel. Humidity	41	%
SN	2400132	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		Test Instrument
			Min	Max	
Temperature (°F)	Spec				
	1	39.8	-1.0	1.0	39.9
	2	74.3	-1.0	1.0	74.6
	3	85.8	-1.0	1.0	85.9
	4	128.5	-2.0	2.0	128.7
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1	
	1	20.0			19.9
	2	28.6			28.6
	3	33.0			33.0
Humidity %RH 10 to 90%	Spec		-3	3	
	1	10.6			10.1
	2	22.4			24.2
	3	57.2			55.2
	4	90.8			89.1

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

29-Jul-2024 29-Jul-2025

 Calibration Date Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry		Calibration Environment		
Temperature Product	Module	Probe	Temperature	71	°F
Model		PR-T-4-6	Rel. Humidity	42	%
SN		2400316	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	74.4	-0.3	+0.3	74.6
	2	241.4	-2.6	+2.6	242.4
	3	-43.4	-1.6	+1.6	-42.6

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

25-Jul-2024 25-Jul-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**
 4741 Atlantic Blvd - Suite 2B
 Jacksonville, FL 32207

Test Report # 65094
 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	DCV	ACA	ACA	Resistance	Resistance		
Description:	ac/dc clamp-on	50.0	49.9	50.0	49.9	100.0	100.0	100.0	100.0
		100.0	99.8	100.0	99.8	1.000 K	0.999 K	1.000 K	0.999 K
Model #	AMP-220	150.0	149.8	150.0	149.7	10.000 K	10.000 K	10.000 K	10.000 K
		250.0	249.7	250.0	249.6				
Mfg Serial #	230901532	500.0	499.4	500.0	499.4				
Customer #									
RH %	47	DCA		ACA					
Temperature:	23 °C	25.0	25.10	25.0	25.15				
Accuracy:	acv = +/- 1% +/- 5d	50.0	50.22	50.0	50.30				
	aca = +/- 1.8% +/- 5d	75.0	75.4	75.0	75.4				
	dcv = +/- 1% +/- 5d	100.0	100.5	100.0	100.6				
	dca = +/- 2% +/- 5d	200.0	201.4	200.0	202.8				
	res = +/- 1% +/- 5d	300.0	303.9	300.0	303.4				
Accuracy of Standard:		400.0	405.5	400.0	404.2				
	acv = +/- 0.5%	500.0	507.0	500.0	505.4				
	dca = +/- 0.03%								
	aca = +/- 0.5%								
	dca = +/- 0.3%								
	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:

Calibration Procedure: **5075-33**

Revision: **0**

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**
 4741 Atlantic Blvd - Suite 2B
 Jacksonville, FL 32207

Test Report # 65095
 P.O.#
 Date: 8/22/24

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

Make:	Extech	Hoover	Customer	Hoover	Customer	Hoover	Customer
				<u>RPM</u>		<u>RPM</u>	
Description:	stroboscope / photo-tach			<u>Photo-Tach</u>		<u>Stroboscope</u>	
Model #	461825			300.0	300.0	300.0	300.0
Mfg Serial #	H437769			600.0	600.0	600.0	599.9
Customer #				900.0	900.0	900.0	899.9
RH %	47			1800	1800	1800	1800
Temperature:	23 °C			3600	3600	3600	3600
Accuracy:				7200	7200	7200	7199
	+/- 0.1 RPM +/- 2d						
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
 4/25

Notes:

Calibration Procedure: **5023-2**

Revision: **1**

Calibration Cycle: **1 year**

Tested By: 

Quality Control: 