AIRFLOW PROS

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Temp Probe	Evergreen Telemetry	PR-T-5 / 2100315	8/19/2024	8/19/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-1 / 2300125	8/19/2024	8/19/2025
Temp Probe	Evergreen Telemetry	PR-T-2 / 2100185	8/19/2024	8/19/2025
Photo Tach	Extech	461825 / H483002	8/5/2024	8/5/2025
Volt Meter	Amprobe	AMP-220 / 240100024	8/5/2024	8/5/2025
Module Sensor	Evergreen Telemetry	MS-TH-101 / 2100101B	8/19/2024	8/19/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2300110	8/19/2024	8/19/2025
Pressure Module	Evergreen Telemetry	S-PVF-1 / 2100455C	8/22/2024	8/22/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2100278	8/19/2024	8/19/2025

EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	72	°F
Model			PR-T-5	Rel. Humidity	47	%
SN			2100315	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	74.8	-0.3	+0.3	74.7	
	2	241.4	-2.6	+2.6	240.8	
	3	-43.4	-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 Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Calibrated By

19-Aug-2024 — Calibration Date

19-Aug-2026 — 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	72	°F
Model	PR-TH-1	Rel. Humidity	47	%
SN	2300125	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	41.9	-1.0	1.0	41.0	
	2	75.1	-1.0	1.0	75.3	
	3	85.8	-1.0	1.0	86.2	
	4	127.3	-2.0	2.0	127.4	
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	9.9			9.2	
	2	21.3			22.2	
	3	59.3			62.2	
	4	88.6			86.9	

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

19-Aug-2024 Calibration Date

19-Aug-2025 Date Due

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EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	72	°F
Model			PR-T-2	Rel. Humidity	47	%
SN			2100185	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	74.8	-0.3	+0.3	74.7	
	2	241.3	-2.6	+2.6	241.5	
	3	-43.4	-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

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Calibrated By

19-Aug-2024 Calibration Date

19-Aug-2026 Date Due

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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 # 64954
P.O.#
Date: 8/5/24

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

Make: **Extech**

Description: **stroboscope / photo-tach**

Model # **461825**

Mfg Serial # H483002

Customer #

RH % 49 Temperature: 23 °C

Accuracy:
+/- 0.1 RPM +/- 2d

	Hoover	Customer	Hoover	Customer	Hoover	Customer
			RPM Photo-Tach		RPM Stroboscope	
			300.0	300.0	300.0	2999
			600.0	600.0	600.0	600.0
			900.0	900.0	900.0	900.0
			1800	1800	1800	1800
			3600	3599	3600	3600
			7200	7200	7200	7200

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:
Altek	#40A	s/n 195587	8/24	
Sperry	#TACH-1	s/n L301594	4/25	

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

Calibration Cycle: **1 year**

Tested By: Jm Dy Quality Control:

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 # 64949
P.O.#
Date: 8/5/24

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

Make: **Amprobe**

Description: **ac/dc clamp-on**

Model # **AMP-220**

Mfg Serial # 240100024

Customer #

RH % 49 Temperature: 23 °C

Accuracy:
acv = +/- 1% +/- 5d
aca = +/- 1.8% +/- 5d
dcv = +/- 1% +/- 5d
dca = +/- 2% +/- 5d
res = +/- 1% +/- 5d

Accuracy of Standard:
acv = +/- 0.5% dcv = +/- 0.03%
aca = +/- 0.5% dca = +/- 0.3%
res.= +/- 0.1%

DCV Hoover	DCV Customer	ACV Hoover	ACV Customer	Resistance Hoover	Resistance Customer
50.00	49.9	50.00	49.9	100.0	100.0Ω
100.0	99.9	100.0	99.8	1.000 K	0.999K
150.0	149.8	150.0	149.8	10.000 K	10.00K
250.0	249.7	250.0	249.8		
500.0	499.5	500.0	499.6		

DCA Hoover	DCA Customer	ACA Hoover	ACA Customer
25.0	24.78	25.0	24.94
50.0	49.70	50.0	49.90
75.0	74.6	75.0	74.7
100.0	99.5	100.0	99.8
200.0	199.4	200.0	200.4
300.0	299.9	300.0	300.5
400.0	400.0	400.0	400.5
500.0	500.4	500.0	501.2

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

☐ Calibration Location On Site

Test Instruments Used:

			Due Date:
Amprobe	#BDM40-UA	s/n 07110052	12/24
Shallcross	#830	s/n 21107	4/25

Notes:

Calibration Procedure: **5075-33** Revision: **0**

Calibration Cycle: **1 year**

Tested By: Quality Control:

EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	72	°F
Model	MS - T&H - 101	Rel. Humidity	47	%
SN	2100101B	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	74.8	-0.3	+0.3	74.7	
	2	241.3	-2.6	+2.6	241.5	
	3	-43.4	-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

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Calibrated By

19-Aug-2024 Calibration Date

19-Aug-2026 Date Due

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EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	72	°F
Model	PR-TH-12	Rel. Humidity	47	%
SN	2300110	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	40.8	-1.0	1.0	40.2	
	2	75.1	-1.0	1.0	75.3	
	3	85.9	-1.0	1.0	86.2	
	4	127.3	-2.0	2.0	128.1	
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	10.0			9.6	
	2	20.7			21.8	
	3	63.7			64.5	
	4	88.7			87.5	

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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EVERGREEN TELEMETRY

Certificate Of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	71	°F
Model	S-PVF-1	Rel. Humidity	46	%
SN	2100455C	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	28.5			28.7	
	3	33.0			33.1	
Differental Pressure (in wc)	Spec		-2%-.001	+2%+.001		
	1	10.00			9.972	
	2	2.000			1.997	
	3	0.5000			0.4994	
	4	0.0500			0.0503	
	5	-10.00			-10.018	
	6	-0.0500			-0.0500	
			-3% - 7	+3% + 7		
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7	7	0.00069 / 105			106	
	8	0.0158 / 503			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 Institue of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Calibrated By

22-Aug-2024 Calibration Date

22-Aug-2026 Date Due

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EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	72	°F
Model			PR-T-4-6	Rel. Humidity	47	%
SN			2100278	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	74.9	-0.3	+0.3	74.8	
	2	241.4	-2.6	+2.6	241.9	
	3	-43.4	-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

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Calibrated By

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19-Aug-2026 Date Due

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