AIRFLOW PROS

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Module Sensor	Evergreen Telemetry	T&H-101 / 2300230C	10/2/2024	10/2/2025
Water Meter	Alnor	HM-670 / 71201119	1/2/2024	1/2/2024
AC/DC Clamp-On	Amprobe	AMP-220 / 221200069	10/14/2024	10/14/2025
Anemometer	Amprobe	TMA-10A / 011323-1	10/14/2024	10/14/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2300286	10/2/2024	10/2/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2300126	10/2/2024	10/2/2025
Pressure Module	Evergreen Telemetry	S-PVF-1 / 2100744C	10/1/2024	10/1/2025
Stroboscope/Photo-Tach	Extech	461825 / H443221	10/14/2024	10/14/2025

EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	70	°F
Model	MS - T&H - 101	Rel. Humidity	35	%
SN	2300230C	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	75.1	-0.3	+0.3	75.0	
	2	242.8	-2.6	+2.6	241.8	
	3	-43.4	-1.6	+1.6	-43.5	

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.

Julie Secor
Calibrated By

2-Oct-2024 Calibration Date

2-Oct-2026 Date Due

602.574.6192 ■ info@evergreentelemetry.com ■ www.evergreentelemetry.com ■ 33 S Sycamore, Mesa, AZ 85202

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 # 63611
P.O.#
Date: 1/2/24

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

Make: **Alnor**

Description: **hydronic manometer**

Model # **HM-670**

Mfg Serial # **71201119**

Customer #

RH % 36 Temperature: 21 °C

Accuracy:
+/- 1% of rdg.
or +/- 0.036 psi
+/- 0.08 ft of water
+/- 1.0 in of water
whichever is greater

Accuracy of Standard:
+/- 0.1%

Hoover	Customer	Hoover	Customer	Hoover	Customer
inches of water		**PSI**		**feet of water**	
25.00	25.0	5.00	4.960	1.000	0.97
50.00	50.0			2.000	1.97
75.00	75.0	10.00	9.957	3.000	2.97
100.00	99.9			4.000	3.97
150.00	149.9	25.00	24.90	5.000	4.98
200.00	199.9			7.500	7.46
250.00	249.8	50.00	49.88	10.00	9.96
300.00	299.7			25.00	24.91
350.00	349.6	75.00	74.83	50.00	49.81
400.00	399.5			75.00	74.74
500.0	499.2			100.00	99.62
750.0	748.7			150.00	149.5
1000.0	997.6				
1250.0	1247				
1500.0	1497				

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:
Crystal	#300psiXP2i	s/n 821664	6/24	
Crystal	#30psiXP2i	s/n 462180	2/24	

Calibration Procedure: **5040-33** Revision: **0**

Calibration Cycle: **1 year**

Tested By: 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 # 65321
P.O.#
Date: 10/14/24

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 # **221200069**

Customer #

RH % 53 Temperature: 21 °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	Customer
50.00	49.9
100.0	99.8
150.0	149.8
250.0	249.7
500.0	499.4

ACV

Hoover	Customer
50.00	49.8
100.0	99.7
150.0	149.6
250.0	249.4
500.0	499.1

Resistance

Hoover	Customer
100.0	100.0Ω
1.000 K	0.999K
10.000 K	10.00K

DCA

Hoover	Customer
25.0	25.13
50.0	50.30
75.0	75.4
100.0	100.6
200.0	201.4
300.0	301.3
400.0	402.5
500.0	503.5

ACA

Hoover	Customer
25.0	25.10
50.0	50.35
75.0	75.4
100.0	100.8
200.0	202.2
300.0	302.0
400.0	402.6
500.0	503.8

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:

Quality Control: Josh Wad

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 # 65322
P.O.#
Date: 10/14/24

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

Make: **Amprobe**
Description: **anemometer**
Model # **TMA-10A**
Mfg Serial # **011323-1**
Customer #
RH % 53 Temperature: 21 °C

Accuracy:
Temp = +/- 1.5 °F
+/- 2% of F.S.

Accuracy of Standard:
+/- 5 ft/min
Temp = +/- 0.5 °F

Hoover	Customer	Hoover	Customer	Hoover	Customer
		feet/minute		**temperature fahrenheit**	
		395	391	69.4	70.4
		590	582		
		820	810		
		1000	986		
		1300	1290		
		1650	1636		

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 - 6/25

Notes:

Calibration Procedure: **5075-23** 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	Probe	Temperature	70	°F
Model			PR-T-4-6	Rel. Humidity	35	%
SN			2300286	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	75.1	-0.3	+0.3	75.0	
	2	242.8	-2.6	+2.6	241.8	
	3	-43.4	-1.6	+1.6	-43.5	

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.

Julie Secor
Calibrated By

2-Oct-2024
Calibration Date

2-Oct-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	70	°F
Model	PR-TH-12	Rel. Humidity	35	%
SN	2300126	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	40.0	-1.0	1.0	40.2	
	2	75.1	-1.0	1.0	75.3	
	3	85.9	-1.0	1.0	86.0	
	4	128.6	-2.0	2.0	128.7	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.0	
	2	28.6			28.7	
	3	33.0			33.1	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	10.1			9.8	
	2	23.8			25.2	
	3	59.0			59.0	
	4	90.3			88.8	

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-Feb-25
Humidity	20558772	18-Sep-24	18-Sep-25
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

Julie Secor
Calibrated By

2-Oct-2024
Calibration Date

2-Oct-2025
Date Due

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EVERGREEN TELEMETRY

Certificate Of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	75	°F
Model	S-PVF-1	Rel. Humidity	35	%
SN	2100744C	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	28.6			28.6	
	3	33.0			33.1	
Differental Pressure (in wc)	Spec		-2%-.001	+2%+.001		
	1	10.00			9.977	
	2	2.000			1.994	
	3	0.5000			0.0499	
	4	0.0500			0.0504	
	5	-10.00			-10.027	
	6	-0.0500			-0.0494	
			-3% - 7	+3% + 7		
Via Pitot >>	7	0.00071 / 107			107	
Velocity Pressure >> (inW.C. / FPM) -3% -7	8	0.0157 / 502			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	19-Jun-24	19-Jun-26
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.

Julie Secor — Calibrated By

1-Oct-2024 — Calibration Date

1-Oct-2026 — Date Due

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(419) 529-3226 Fax(419) 529-9360

To: **Airflow Pros**
1001 Eastwind Drive - Suite 203
Westerville, OH 43081

Test Report # 65323
P.O.#
Date: 10/14/24

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

Make: **Extech**

Description: **stroboscope / photo-tach**

Model # **461825**

Mfg Serial # **H443221**

Customer #

RH % 53 Temperature: 21 °C

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
			RPM Photo-Tach		**RPM Stroboscope**	
			300.0	300.0	300.0	300.0
			600.0	600.0	600.0	600.0
			900.0	900.0	900.0	900.0
			1800	1800	1800	1800
			3600	3600	3600	3600
			7200	7200	7200	7201

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

Notes:

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

Calibration Cycle: **1 year**

Tested By: Jon Z

Quality Control: Joel Wood