AIRFLOW PROS

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Immersion Temp	Evergreen	PR-T-4-6 / 2200098	6/17/2024	6/17/2025
Water Meter	Dwyer	490W-6 / 08Q2KP	6/20/2024	6/20/2025
AC/DC Clamp-on	AMPROBE	AMP-220 / 200501518	6/14/2024	6/14/2025
Stroboscope / Photo-Tach	Extech	461825 / H437762	6/14/2024	6/14/2025
Module Sensor	Evergreen Telemetry	MS-T&H-101 / 2100150B	6/17/2024	6/17/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2300111	6/18/2024	6/18/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-1 / 2200180	6/18/2024	6/18/2025
Pressure Module	Evergreen Telemetry	S-PVF-1 / 2200373C	6/17/2024	6/17/2025

EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	71	°F
Model			PR-T-4-6	Rel. Humidity	26	%
SN			2200098	Bar. Pressure	28.3	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	75.0	-0.3	+0.3	74.9	
	2	242.4	-2.6	+2.6	241.8	
	3	-43.8	-1.6	+1.6	-43.4	

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

17-Jun-2024 — Calibration Date

17-Jun-2026 — Date Due

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

CERTIFICATE OF NIST CALIBRATION

Dwyer Instruments, 102 Highway 212, Michigan City, IN 46360
USA T: +1 800.872.9141 +1 219.879.8000 F: +1 219.872.9057

ID/Serial#:	08Q2KP	Date:	6/20/2024	Date Due:	09/19/2024	By: 3968

Customer Information		Device Under Test (DUT)	
Airflow Pros 4741 Atlantic Blvd, Ste. B2 000044248 Jacksonville, FL 32207	ID/Serial#: Model: Description: MFR: Accuracy: Red Sensor: Blue Sensor:	08Q2KP 490W-6-NIST Hydronic Differential Pressure Manometer Dwyer Instruments 2% Of Reading DWY-H200-08Q2KP Device ID DWY-L200-08Q2KP Device ID	

Address Where Calibration Was Performed		Calibration Standard Information		
Dwyer Instruments Inc 3999 Hupp Rd Kingsbury, IN 46345	Instrument Reference: Status:			
		As Received ☑	After Repair ☐	New ☐
	Test Range:	0 - 200 PSI		
	Notes:			
		Certificate No: 24DWY09-754		
		Sales order No: S002795		
		Purchase order No: 000044248		

Reference Standards Used			
Module	ID#	Last Cal	Due Date
MW-MFC052	24DWYPSL-0468	5/9/24	8/9/24
MW-PM294	24DWYPSL-0027	1/10/24	1/10/25
MW-PM288	24DWYPSL-0104	2/8/24	8/8/24
Master Gauge Accuracy:		0.05%	

As Found/As Left Calibration Data - All Data on PSI

RESULT	Target Test Point	Reference Standard Reading	Error Percentage
PASS	-0.009	-0.010	0.0003
PASS	119.226	119.960	-0.3668
PASS	198.392	199.960	-0.7838
PASS	2.041	0.020	1.0107
PASS	99.377	99.450	-0.0364
PASS	50.342	49.440	0.4508
PASS	39.798	40.000	-0.1011
PASS	79.542	79.980	-0.2188
PASS	158.845	159.960	-0.5576
PASS	148.499	149.350	-0.4256

This document certifies that only the device under test (DUT) identified above has been calibrated against a reference standard having an accuracy as listed.

Calibrated By: Rosina M. Smith Job Function: Technician

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 # 64728
P.O.#
Date: 6/14/24

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 # **200501518**

Customer #

RH % 55 Temperature: 22 °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	49.8	50.00	49.8	100.0	100.0Ω
100.0	99.9	100.0	99.8	1.000 K	0.999K
150.0	149.8	150.0	149.7	10.000 K	9.99K
250.0	249.7	250.0	249.3		
500.0	499.6	500.0	499.0		

DCA Hoover	DCA Customer	ACA Hoover	ACA Customer
25.0	25.05	25.0	25.22
50.0	50.33	50.0	50.24
75.0	75.4	75.0	75.4
100.0	100.6	100.0	100.7
200.0	200.6	200.0	202.0
300.0	302.6	300.0	304.2
400.0	403.5	400.0	405.8
500.0	504.5	500.0	506.5

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: Tom Ky Quality Control: John Weed

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 # 64729
P.O.#
Date: 6/14/24

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

Make: **Extech**

Description: **stroboscope / photo-tach**

Model # **461825**

Mfg Serial # **H437762**

Customer #

RH % 55 Temperature: 22 °C

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

	RPM Photo-Tach		RPM Stroboscope	
	Hoover	Customer	Hoover	Customer
	300.0	300.0	300.0	300.0
	600.0	599.9	600.0	600.0
	900.0	899.9	900.0	899.9
	1800	1800	1800	1800
	3600	3600	3600	3599
	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:
Altek	#40A	s/n 195587	8/24
Sperry	#TACH-1	s/n L301594	4/25

Notes:

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

Calibration Cycle: **1 year**

Tested By: [signature] Quality Control: [signature]

EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	71	°F
Model	MS - T&H - 101	Rel. Humidity	26	%
SN	2100150B	Bar. Pressure	28.3	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	75.5	-0.3	+0.3	75.5	
	2	242.5	-2.6	+2.6	241.3	
	3	-43.6	-1.6	+1.6	-42.5	

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

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Calibrated By

17-Jun-2024 Calibration Date

17-Jun-2026 Date Due

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EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	70	°F
Model	PR-TH-12	Rel. Humidity	30	%
SN	2300111	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 Min	Allowable Range Max	Test Instrument	
Temperature (°F)	Spec					
	1	39.9	-1.0	1.0	39.9	
	2	75.1	-1.0	1.0	75.0	
	3	85.8	-1.0	1.0	85.4	
	4	127.3	-2.0	2.0	127.2	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.0	
	2	28.4			28.4	
	3	33.0			33.0	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	9.9			10.1	
	2	22.6			23.7	
	3	61.1			59.4	
	4	90.1			89.2	

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

18-Jun-2024 Calibration Date

18-Jun-2025 Date Due

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EVERGREEN TELEMETRY

Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	70	°F
Model	PR-TH-1	Rel. Humidity	30	%
SN	2200180	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 Min	Allowable Range Max	Test Instrument	
Temperature (°F)	Spec					
	1	39.9	-1.0	1.0	40.2	
	2	75.1	-1.0	1.0	75.0	
	3	85.8	-1.0	1.0	85.4	
	4	127.2	-2.0	2.0	126.5	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.0	
	2	28.4			28.4	
	3	33.0			33.0	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	9.9			10.5	
	2	23.1			24.2	
	3	61.2			58.6	
	4	90.4			89.8	

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	12-Sep-23	12-Sep-24
Humidity	20052171	5-Feb-24	5-Feb-25

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18-Jun-2024 Calibration Date

18-Jun-2025 Date Due

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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	26	%
SN	2200373C	Bar. Pressure	28.3	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	28.3			28.4	
	3	33.0			33.1	
Differental Pressure (in wc)	Spec		-2%-.001	+2%+.001		
	1	10.00			9.974	
	2	2.000			1.992	
	3	0.5000			0.4960	
	4	0.0500			0.0496	
	5	-10.00			-9.997	
	6	-0.0500			-0.0498	
			-3% - 7	+3% + 7		
Via Pitot >>	7	0.00065 / 102			102	
Velocity Pressure >> (inW.C. / FPM) -3% -7	8	0.0158 / 503			501	

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

17-Jun-2024 Calibration Date

17-Jun-2026 Date Due

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