

INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Humidity Sensor	Evergreen Telemetry	PR-TH-12 / 2400136	8/20/2024	8/20/2025
Pressure/Velocity Module	Evergreen Telemetry	PVF-1 / 24D-00692	8/13/2024	8/13/2025
Water Meter	Dywer	490W-6-HKIT / 08Q2MW	12/11/2023	12/11/2024
Photo-Tach	Extech	461825 / H482999	8/23/2024	8/23/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2400318	7/25/2024	7/25/2025
AC/DC Clamp-On	Amprobe	AMP-220 / 231200088	8/22/2024	8/22/2025
Module Sensor	Evergreen Telemetry	T&H-101 / 24J-00276	8/6/2024	8/6/2025



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	72	°F
Model	PR-TH-12	Rel. Humidity	44	%
SN	2400136	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	39.3	-1.0	1.0	39.6	
	2	74.9	-1.0	1.0	75.0	
	3	85.6	-1.0	1.0	85.9	
	4	127.9	-2.0	2.0	127.7	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			20.0	
	2	28.6			28.6	
	3	33.0			33.1	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	10.6			10.1	
	2	23.4			24.2	
	3	60.9			59.7	
	4	89.1			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	12-Sep-23	12-Sep-24
Humidity	20052171	5-Feb-24	5-Feb-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

_____ _____
 20-Aug-2024 20-Aug-2025
 Calibration Date Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	74	°F
Model	S-PVF-1	Rel. Humidity	43	%
SN	24D-00692	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	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1	
	1	20.0			20.1
	2	28.6			28..72
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.963
	2	2.000			2.000
	3	0.5000			0.4980
	4	0.0500			0.0507
	5	-10.00			-9.989
	6	-0.0500			-0.0496
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7			-3% - 7	+3% + 7	
	7	0.00069 / 105			104
	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

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

13-Aug-2024 13-Aug-2026
 Calibration Date Date Due



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#: 08Q2MW	Date: 12/11/2023	Date Due: 12/11/2024	By: 3968																
Customer Information		Device Under Test (DUT)																	
AIRFLOW PROS 1001 EASTWIN DRIVE SUITE 203 WESTERVILLE, OH 43081	ID/Serial#: 08Q2MW Model: 490W-6-HKIT Description: Hydronic Differential Pressure Manometer MFR: Dwyer Instruments Accuracy: 2% Of Reading Red Sensor: DWY-H200-08Q2MW Device ID Blue Sensor: DWY-L200-08Q2MW Device ID																		
Address Where Calibration Was Performed		Calibration Standard Information																	
Dwyer Instruments Inc 3999 Hupp Rd Kingsbury, IN 46345	Instrument Reference: Status: <table style="display: inline-table; border: none;"> <tr> <td style="border: none;">As Received</td> <td style="border: none;">After Repair</td> <td style="border: none;">New</td> </tr> <tr> <td style="border: none; text-align: center;"><input type="checkbox"/></td> <td style="border: none; text-align: center;"><input type="checkbox"/></td> <td style="border: none; text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	As Received	After Repair	New	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>												
As Received	After Repair	New																	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																	
Reference Standards Used	Test Range: 0 - 200 PSI Notes:																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Module</th> <th style="width: 15%;">ID#</th> <th style="width: 15%;">Last Cal</th> <th style="width: 15%;">Due Date</th> </tr> </thead> <tbody> <tr> <td>MW-MFC015</td> <td>22DWYPSL-1296</td> <td>3/17/23</td> <td>3/17/24</td> </tr> <tr> <td>MW-PM293</td> <td>22DWYPSL-1183</td> <td>12/14/22</td> <td>12/14/23</td> </tr> <tr> <td>MW-PM294</td> <td>22DWYPSL-1245</td> <td>1/3/23</td> <td>1/3/24</td> </tr> </tbody> </table>	Module	ID#	Last Cal	Due Date	MW-MFC015	22DWYPSL-1296	3/17/23	3/17/24	MW-PM293	22DWYPSL-1183	12/14/22	12/14/23	MW-PM294	22DWYPSL-1245	1/3/23	1/3/24		Certificate No: 23DWY09-1350 Sales order No: S932879 Purchase order No: CREDITCARD	
Module	ID#	Last Cal	Due Date																
MW-MFC015	22DWYPSL-1296	3/17/23	3/17/24																
MW-PM293	22DWYPSL-1183	12/14/22	12/14/23																
MW-PM294	22DWYPSL-1245	1/3/23	1/3/24																
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	-0.015	-0.030	0.0074
PASS	120.115	119.940	0.0874
PASS	199.850	199.940	-0.0450
PASS	0.052	-0.010	0.0312
PASS	99.088	99.340	-0.1260
PASS	49.231	49.440	-0.1046
PASS	40.105	39.990	0.0574
PASS	80.143	79.960	0.0913
PASS	160.022	159.940	0.0408
PASS	149.028	149.220	-0.0962

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: ML AE

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**
1001 Eastwind Drive - Suite 203
Westerville, OH 43081

Test Report # 65101
 P.O.# _____
 Date: 8/23/24

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

Make:	Extech	Hoover	Customer	RPM		RPM	
				Photo-Tach	Stroboscope	Hoover	Customer
Description:	stroboscope / photo-tach			300.0	299.9	300.0	300.0
Model #	461825			600.0	600.0	600.0	600.0
Mfg Serial #	H482999			900.0	900.0	900.0	900.0
Customer #				1800	1800	1800	1800
RH %	49	Temperature	23 °C	3600	3600	3600	3600
Accuracy:	+/- 0.1 RPM	+/- 2d		7200	7199	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:

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

Due Date:

8/25
 4/25

Notes:

New

Calibration Procedure: 5023-2

Revision: 1

Calibration Cycle: 1 year

Tested By: 

Quality Control: 



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		2400318	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	241.5	-2.6	+2.6	241.3	
	3	-43.5	-1.6	+1.6	-42.8	

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**
1001 Eastwind Drive - Suite 203
Westerville, OH 43081

Test Report # 65097
 P.O.# _____
 Date: 8/22/24

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

Make:	Customer		Hoover	Customer		Hoover	Customer	
	DCV			ACV			Resistance	
Description:	ac/dc clamp-on		50.00	49.9	50.00	49.9	100.0	100.0 Ω
Model #	AMP-220		100.0	99.9	100.0	99.8	1.000 K	0.999K
Mfg Serial #	231200088		150.0	149.9	150.0	149.7	10.000 K	10.00 k
Customer #			250.0	249.8	250.0	249.7		
			500.0	499.7	500.0	499.5		
RH %	47	Temperature:	23 °C					
Accuracy:	acv = +/- 1%	+/- 5d	25.0	24.94	25.0	25.05		
	aca = +/- 1.8%	+/- 5d	50.0	49.96	50.0	50.12		
	dcv = +/- 1%	+/- 5d	75.0	75.0	75.0	75.1		
	dca = +/- 2%	+/- 5d	100.0	99.9	100.0	100.2		
	res = +/- 1%	+/- 5d	200.0	200.3	200.0	200.6		
Accuracy of Standard:			300.0	299.8	300.0	300.3		
			400.0	400.3	400.0	400.7		
			500.0	501.2	500.0	502.0		
	acv = +/- 0.5%	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:

New

Calibration Procedure: **5075-33**

Revision: **0**

Calibration Cycle: **1 year**

Tested By:

Am Thy

Quality Control:

John Need



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Temperature Product	Module Sensor	Temperature	73	°F
Model	MS - T&H - 101	Rel. Humidity	45	%
SN	24J-00276	Bar. Pressure	28.7	in Hg

As Found
 As Left
 In Tolerance
 Out of Tolerance

Calibration Data

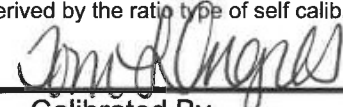
Measurement Variable	Test Point	Cal Standard	Allowable Range		Test Instrument	
			Min	Max		
Cal Lab Probe & Test Module	Spec					
Temperature (°F)	1	75.1	-0.3	+0.3	75.3	
	2	242.4	-2.6	+2.6	243.3	
	3	-42.7	-1.6	+1.6	-42.5	

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

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

6-Aug-2024 6-Aug-2026

 Calibration Date Date Due