



INSTRUMENT CALIBRATION LIST

INSTRUMENT	MANUFACTURER	MODEL / SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Temp Probe	Evergreen Telemetry	PR-T-5 / 2100458	3/27/2024	3/27/2025
Water Meter	Dwyer	A-490W-3 / D8:09:B4:36:1A:6A	3/12/2024	3/12/2025
Water Meter	Dwyer	A-490W-3 / F6:12:47:3E:2B:47	3/12/2024	3/12/2025
Water Meter	Dwyer	A-490W-6 / D1:07:BB-F0-06-A9	3/12/2024	3/12/2025
Water Meter	Dwyer	A-490W-6 / EA:16:87:BC:F7:1E	3/12/2024	3/12/2025
AC/DC Clamp-On	Amprobe	AMP-220 / 230901534	11/21/2023	11/21/2024
Pressure Module	Evergreen Telemetry	S-PVF-1 / 2300584D	3/27/2024	3/27/2025
Stroboscope / Photo-Tach	Extech	461825 / H437759	11/21/2023	11/21/2024
Module Sensor	Evergreen Telemetry	MS-T&H-101 / 2100194C	3/27/2024	3/27/2025
Immersion Temp Probe	Evergreen Telemetry	PR-T-4-6 / 2200315	3/27/2024	3/27/2025
Humidity Sensor	Evergreen Telemetry	PR-TH-1 / 2100194	3/27/2024	3/27/2025



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	74	°F
Model			PR-T-5	Rel. Humidity	31	%
SN			2100458	Bar. Pressure	28.8	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	73.2	-0.3	+0.3	73.2	
	2	242.2	-2.6	+2.6	242.7	
	3	-44.0	-1.6	+1.6	-44.0	

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.

<div style="border-bottom: 1px solid black; width: 100%; margin-bottom: 5px;"> </div> <p style="margin: 0;">Calibrated By</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 50%;"></td> <td style="border-bottom: 1px solid black; width: 50%;"></td> </tr> <tr> <td style="text-align: center;">27-Mar-2024</td> <td style="text-align: center;">27-Mar-2026</td> </tr> <tr> <td style="text-align: center;">Calibration Date</td> <td style="text-align: center;">Date Due</td> </tr> </table>			27-Mar-2024	27-Mar-2026	Calibration Date	Date Due
27-Mar-2024	27-Mar-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 # 64183
P.O.# _____
Date: 3/12/24

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make: <u>Dwyer</u>						
Description: <u>hydronic pressure manometer</u>			10.00	9.95		
Model # <u>A-490W-3</u>			20.00	19.91		
Mfg Serial # <u>D8:09:B4:36:1A:6A</u>			30.00	29.85		
Customer # _____			40.00	39.82		
RH % <u>39</u> Temperature: <u>21 °C</u>			50.00	49.80		
Accuracy: <u>+/- 2% +/- 1 psi</u>						
Accuracy of Standard: <u>+/- 0.1%</u>						

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

Crystal #300psiXP2i s/n 821664

Due Date:

6/24

Notes:

Calibration Procedure: 5040-51

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 # 64184
 P.O.# _____
 Date: 3/12/24

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make:	Dwyer		PSI			
Description:	hydronic pressure manometer		10.00	9.97		
Model #	A-490W-3		20.00	19.92		
Mfg Serial #	F6:12:47:3E:2B:47		30.00	29.89		
Customer #			40.00	39.83		
RH %	<u>39</u>	Temperature:	<u>21</u>	°C	50.00	49.78
Accuracy:	+/- 2% +/- 1 psi					
Accuracy of Standard:	+/- 0.1%					

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

Crystal #300psiXP2i s/n 821664

Due Date:

6/24

Notes:

Calibration Procedure: **5040-51**

Revision: **0**

Calibration Cycle: **1 year**

Tested By:



Quality Control:



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 401 North Home Road
 Mansfield, Ohio 44906-2398
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To: **Airflow Pros**
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Test Report # 64185
 P.O.# _____
 Date: 3/12/24

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make:	Dwyer		PSI			
Description:	hydraulic pressure manometer		40.00	40.01		
Model #	A-490W-6		80.00	79.90		
Mfg Serial #	D1:07:BB:F0:06:A9		120.00	119.86		
Customer #			160.00	159.83		
RH %	39	Temperature:	200.00	199.84		
Accuracy:	+/- 2% +/- 1 psi					
Accuracy of Standard:	+/- 0.1%					

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

Crystal #300psiXP2i s/n 821664

Due Date:

6/24

Notes:

Calibration Procedure: 5040-51

Revision: 0

Calibration Cycle: 1 year

Tested By:



Quality Control:



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 Mansfield, Ohio 44906-2398
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 1001 Eastwind Drive - Suite 203
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Test Report # 64186
 P.O.# _____
 Date: 3/12/24

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

	Hoover	Customer	Hoover	Customer	Hoover	Customer
Make:	Dwyer		PSI			
Description:	hydraulic pressure manometer		40.00	39.93		
Model #	A-490W-6		80.00	79.81		
Mfg Serial #	EA:16:87:BC:F7:1E		120.00	119.71		
Customer #			160.00	159.66		
RH %	39	Temperature:	200.00	199.63		
Accuracy:	+/- 2% +/- 1 psi					
Accuracy of Standard:	+/- 0.1%					

Services Performed:

- Cleaned
- Movement Repaired
- Pointer Repaired
- Reset Pointer
- Zero Adjusted
- Adjust Calibration
- Repaired
- Batteries
- Calibration Location On Site

Test Instruments Used:

Crystal #300psiXP2i s/n 821664

Due Date:

6/24

Notes:

Calibration Procedure: **5040-51**

Revision: **0**

Calibration Cycle: **1 year**

Tested By: 

Quality Control: 

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To: **Airflow Pros**
 1001 Eastwind Drive - Suite 203
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Test Report # 63438
 P.O.# _____
 Date: 11/21/23

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

Make:	Amprobe	DCV		ACV		Resistance	
		Hoover	Customer	Hoover	Customer	Hoover	Customer
Description:	ac/dc clamp-on	50.00	49.9	50.00	49.9	100.0	99.92
Model #	AMP-220	100.0	99.8	100.0	99.9	1,000 K	0.999K
Mfg Serial #	230901534	150.0	149.8	150.0	149.8	10,000 K	10.00K
Customer #		250.0	249.6	250.0	249.8		
RH %	43	500.0	499.3	500.0	499.6		
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%						
	aca = +/- 0.5%						
	dcv = +/- 0.03%						
	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:

12/23
4/24

Notes:

Calibration Procedure: 5075-33

Revision: 0

Calibration Cycle: 1 year

Tested By: [Signature]

Quality Control: [Signature]



Certificate Of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Pressure / Velocity Module	Temperature	74	°F
Model	S-PVF-1	Rel. Humidity	31	%
SN	2300584D	Bar. Pressure	28.8	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	28.9			28.9
	3	33.0			33.1
Differential Pressure (in wc)	Spec		-2%-.001	+2%+.001	
	1	10.00			9.968
	2	2.000			1.991
	3	0.5000			0.4972
	4	0.0500			0.0497
	5	-10.00			-9.997
	6	-0.0500			-0.0500
Via Pitot >> Velocity Pressure >> (inW.C. / FPM) -3% -7			-3% - 7	+3% + 7	
	7	0.00064 / 101			100
	8	0.016 / 506			505

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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

 Calibrated By

27-Mar-2024 27-Mar-2026
 Calibration Date Date Due

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 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 # 63443
 P.O.# _____
 Date: 11/21/23

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	300.0	300.0	300.0
Model #	461825			600.0	600.0	600.0	600.0
Mfg Serial #	H437759			900.0	900.0	900.0	900.0
Customer #				1800	1800	1800	1800
RH %	43	Temperature:	21 °C	3600	3600	3600	3600
Accuracy:	+/- 0.1 RPM +/- 2d			7200	7200	7200	7199
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:

8/24
 4/24

Notes:

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 Sensor	Temperature	74	°F
Model	MS - T&H - 101	Rel. Humidity	31	%
SN	2100194C	Bar. Pressure	28.8	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	73.3	-0.3	+0.3	73.2	
	2	242.2	-2.6	+2.6	241.0	
	3	-43.9	-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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

Calibrated By

 27-Mar-2024
 Calibration Date

 27-Mar-2026
 Date Due



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry			Calibration Environment		
Temperature Product		Module	Probe	Temperature	74	°F
Model			PR-T-4-6	Rel. Humidity	31	%
SN			2200315	Bar. Pressure	28.8	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	73.4	-0.3	+0.3	73.5	
	2	242.2	-2.6	+2.6	241.1	
	3	-43.9	-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 Institute of Standards and Technology, or accepted intrinsic standards of measurement, or derived by the ratio type of self calibrated techniques.

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27-Mar-2024	27-Mar-2026						
Calibration Date	Date Due						



Certificate of Calibration

Airflow Pros

Manufacturer	Evergreen Telemetry	Calibration Environment		
Product	Humidity Sensor	Temperature	74	°F
Model	PR-TH-1	Rel. Humidity	31	%
SN	2100194	Bar. Pressure	28.8	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	40.2	-1.0	1.0	39.6	
	2	75.1	-1.0	1.0	75.0	
	3	85.8	-1.0	1.0	85.8	
	4	127.2	-2.0	2.0	128.0	
Barometric Pressure (in Hg)	Spec		-2% - 0.1	+ 2% + 0.1		
	1	20.0			19.9	
	2	28.9			28.9	
	3	33.0			33.0	
Humidity %RH 10 to 90%	Spec		-3	3		
	1	9.2			9.6	
	2	25.2			26.6	
	3	57.7			57.3	
	4	87.8			87.6	

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

27-Mar-2024 27-Mar-2025

 Calibration Date Date Due