

**EVERGREEN
TELEMETRY**

**TAB
COMMISSIONING
CLEANROOMS
LABS**

PRODUCT CATALOG



ONE METER FOR:

**Air & Water Pressure, Velocity, Flow,
Temperature & Humidity**

Free Field Trials Available! Zero Obligation!

www.evergreentelemetry.com

(602) 574-6192





Wrist Reporter

FASTER - EASIER - SAFER

Advanced Technology for Increased Productivity

WRIST REPORTER

System At A Glance



Air Balance and Building Commissioning are challenging fields that have become more critical than ever. Evergreen Telemetry's innovative instrument architecture delivers unprecedented convenience and speed for technicians in the field. A five in one meter for balancing, commissioning, and troubleshooting.

The patented Wrist Reporter displays real time results from as many as TEN wireless sensors at one time. Applications include duct traverse, flow and damper setting, room-to-room pressure hierarchies, coil performance testing, wireless datalogging, and more. Store up to 100,000 readings or download directly to your computer. Our efficient products make TAB and Commissioning Faster, Easier, and Safer.

WRIST REPORTER

WR-401 with thumbswitch....\$2,199

Applications

- Airflow
- Datalogging
- Room pressure

Features and Benefits

- Connect up to 10 modules simultaneously
- Continuous readings, wirelessly
- Store up to 100,000 readings





PVF Module

FASTER - EASIER - SAFER

Always Reading and Transmitting

PVF MODULE

Pressure Velocity Flow



The PVF Module reads air flow, velocity and pressure. Connect as many as TEN wireless sensors at one time for room-to-room pressure. Changes in dampers or fan speed can be evaluated in real time as the module sends continuous readings to the Wrist Reporter. Store up to 100,000 readings or download directly to your computer. NIST traceable calibration meets or exceeds industry standards.

PVF MODULE

S-PVF-1.....\$1,099

Applications

- Airflow
- Velocity
- Room Pressures

Features and Benefits

- Connect up to 10 modules simultaneously
- View up to 8



Specifications

Air Flow..... $\pm 3\%$ of reading ± 7 cfm from 100 to 2500 cfm

Air Velocity..... $\pm 3\%$ of reading ± 7 fpm from 50 to 8000 fpm Pitot tube; 50 to 5000 fpm foil-type probe

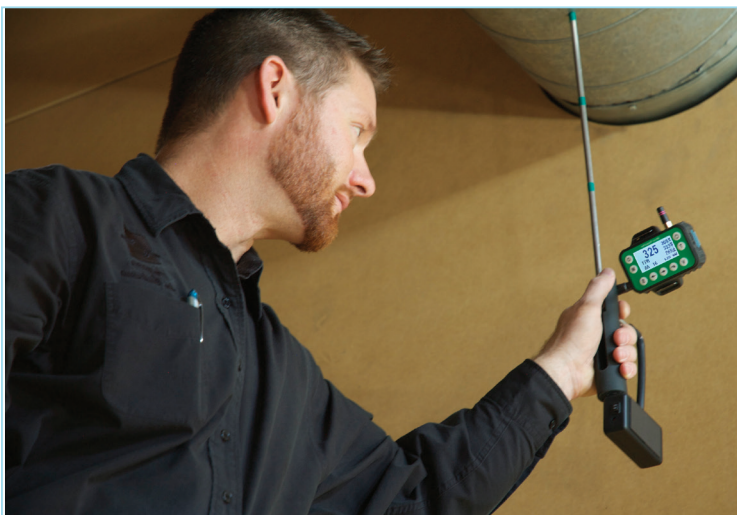
Air Density Correction.....local air density correction range is 14 to 32 in Hg and 32°F to 158°F

Differential Pressure..... $\pm 2\%$ of reading ± 0.001 in wc from 0.01 to 10 in wc; ± 10 in wc FS; 100 in wc safe pressure

Absolute Pressure..... $\pm 2\%$ of reading ± 0.1 in Hg from 14 to 32 in Hg referenced to vacuum
(corresponds to elevation of 36,000 ft.)

Battery.....Lithium Ion. 30 hours per charge. Recharge in 4 hours

Operational Temperature Limits.....40°F to 140°F



Door Pressure TAB Kit



Room Pressure

Surveying • Setting • Adjusting



Door Pressure TAB Kit

This kit was developed specifically for room pressure surveying, setting and adjusting. There are over, under and around door probes available. Place and connect up to 10 probes simultaneously. View up to 8 on the Wrist Reporter display and store your readings, or connect the Wrist Reporter to your computer and datalog continuously. All readings are date and time stamped. Another way Evergreen Telemetry makes TAB Faster, Easier, Safer!

Connect up-to 10 modules and view up to 8 on your Wrist Reporter

Kit Includes

- Over Door Hanger
- (2) Types of Durable Steel Probes
- PVF Mounting Block
- Tripod
- 2-4' Extension Pole
- Carrying Case

Door Pressure TAB Kit

K-DOOR PRESSURE.....\$649

Pressure Probes





Temperature & Humidity

FASTER - EASIER - SAFER

Designed for outstanding accuracy.

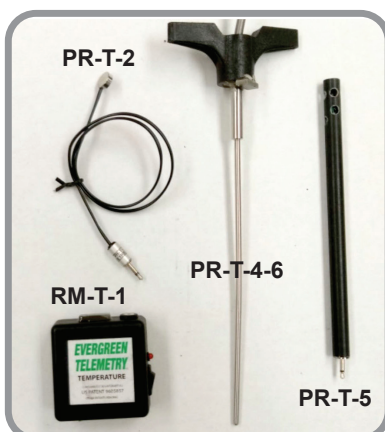
TEMPERATURE SENSOR

Air • Contact • Immersion



TEMPERATURE SENSOR

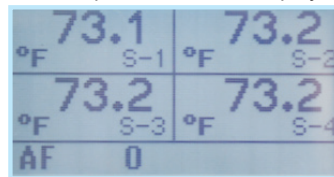
S-T-5.....\$299



Temperature and Humidity

Temperature and humidity sensors were designed for outstanding accuracy, specifications meet or exceed industry standards. Attach to ducts, coils or grilles and send continuous, wireless, readings to the wrist reporter. Place and connect up to 10 sensors simultaneously. View up to 8 on the Wrist Reporter display and store your readings, or connect the Wrist Reporter to your computer and datalog continuously. All readings are date and time stamped.

WR Temperature screen display



Temperature Sensors and Probes

The radio module is interchangeable with all of our temperature probes. Modules and probes can be purchased individually or as a set. We have a variety of probes to read air, surface and water temperature. All modules and probes are shipped with current, NIST traceable calibration certificates.

ACCURACY SPECIFICATIONS

Sensor	Probe
S-T-x	PR-T-x

Wide Range & Narrow (Best of Both Worlds)

Range	Spec
-40 to +240°F	+/- 0.5% of reading + 1.4°F (NEBB)
+32 to +158°F	+/- 0.3°F (Industry Best!)

Smart humidity sensor.

HUMIDITY SENSOR



HUMIDITY SENSOR
S-H-3-5.....\$399

Humidity Sensor

The Evergreen Telemetry psychrometric sensor is a smart humidity sensor. It directly measures temperature (dry bulb), humidity (%RH), and barometric pressure. It calculates wet bulb (no wet sock required), enthalpy (h), humidity ratio (w), grains of moisture (gr), and specific volume (v).

WR Humidity screen display #1

71.5	15.2
°Fd S-1	%RH S-1
48.2	19.91
°Fw S-1	h S-1
AF	0

WR Humidity screen display #2

55.0	Avg	39.2 °Fw
°Fd	Max	24.1 DP
	Min	16.87 h
30.0	Avg	0.0034 w
%RH	Max	23.6 gr
	Min	16.12 v
AA	0 S-1	24.27 "Hg

Temperature Accuracy

is (32 to 125 °F +/- 1.0, 125 to 158 °F +/- 3.0)

Humidity Accuracy

is (10 to 90%, RH +/- 3.0).



Meter Sensor

FASTER - EASIER - SAFER

Now Available

METER SENSOR

Air & Water • Temp & Humidity



The Meter-Sensor is the first in the family of sensors with an on-board display. This module can be used as a stand-alone sensor for quick readings but can also be linked to a Wrist Reporter for applications that require multiple readings from multiple locations and/or datalogging. Readings can be stored in the Wrist Reporter or sent directly to your computer or laptop. Any Evergreen Telemetry Temperature Probe can be used with the Meter-Sensor. Specifications are the same as our other T&H products and meet industry standards.



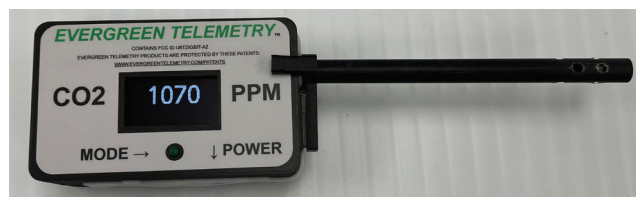
Meter-Sensor with Built-In Display

MS-TH-101 Kit.....\$599

Includes (1) PR-TH-1 Temperature and Humidity Probe and (1) PR-T-4-6 Temperature Probe for testing water, as well as, air.

MS-TH-102 Kit\$699

Includes (1) PR-TH-12 and (1) PR-TH-24 Temperature and Humidity Probe. These are our newest T&H Probes measuring 12" and 24" inches.



T&H: Interchangeable probes support humidity as well as temperature for air and water.

CO2

Our CO2 Sensor is another sensor with on-board display. This sensor can also be used for stand-alone readings or connected to a Wrist Reporter to store readings or datalog to your computer or laptop.

Coming Soon:

Currently in the works is the third in the family of stand-alone sensors, is a PVF/DP Sensor, for measuring duct pressure, velocity and flow.

Water Pressure

Water Pressure Kit

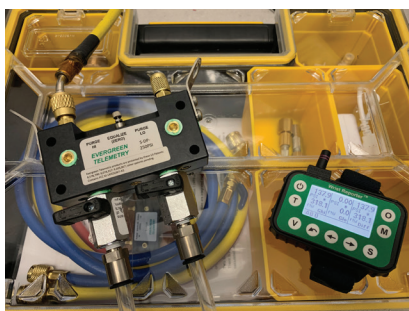
Compact and convenient!



Water Pressure

Evergreen Telemetry's Water Module reads up to 250 PSI. Like all of our products the DP-250 sends continuous, wireless, readings to the Wrist Reporter. Conveniently view High Gauge, Low Gauge and Differential on one screen. Our compact, lightweight module is ideal for technicians in the field. NIST traceable calibrations meet or exceed industry standards.

- Readings sent wirelessly to Wrist Reporter
- Continuous Real-Time Readings
- During System Adjustments
- High Gage, Low Gage and
- Differential Display Simultaneously



K-DP-250.....\$2,699

Includes:

Brass Kit

HVAC Hoses

Battery Charger & Cable

Exhaust Hose & Case



K-DP-250

K-DP-250 Kit w/ Wrist Reporter (\$700 Savings).....\$4,199

Wrist Reporter WR-401 with Thumbswitch\$2,199

Specifications

Range

Differential Pressure and Gage Pressure - 0 PSI to + 250 PSI

Accuracy

Differential and Gage Pressure - 2% of reading + last digit



Innovative Capture Hoods

FASTER - EASIER - SAFER

The right hood for the right job

CAPTURE HOODS

Unique Features for Higher Productivity



Capture Hoods

Evergreen Telemetry's line of capture hoods offer different options for different applications. Connect up to **8 hoods**, and view up to **4 real-time**, continuous, wireless reading on the Wrist Reporter display. With a magnet frame, you can set your hood, and make damper adjustments, with only one trip up the ladder. Our hoods are manufactured right here in the USA, constructed from high-tech materials. Lightweight, maneuverable, and customizable. The Three Pounder and DIM/BSC Hoods come standard with the Bellmouth Belt. This accessory induces superior airstream pattern, ideal for return/exhaust mode.

FEATURES

- Weighs much less than conventional hoods
- Designed for reduced backpressure
- Constructed from high-tech materials
- Damper adjust - real time feedback at wrist
- View 4 Hoods on one Wrist Reporter
- Wireless sensing module sends continuous stream of readings to the Wrist Reporter

APPLICATIONS

- Commercial Ceiling Diffusers
- Sidewall
- Return Air
- Low flow exhaust
- UFAD
- BSC Hoods
- Available CFM Range from 15-3000



Three Pounder 30-3000 CFM (CH-3#) Hood Kit....\$2,299

Kit Includes

2x2' Vinyl Skirt
2x2' Magnet Frame
2-4' Extension Pole
Flow Plates
Bell Mouth Belt
Wheeled Case
Add Wrist Reporter and PVF Modules
(K-TAB-3#) ...\$4,999



15" 100-2500 CFM (CH-15") Hood Kit....\$1,799

Kit Includes

2x2' Skirt
(Available in Vinyl or Green Rip-Stop Nylon)
2x2' Magnet Frame
2-4' Extension Pole
Wheeled Case
Add Wrist Reporter and PVF Modules
(K-TAB-15") ...\$4,199



DIM/BSC 30-3000 CFM (CH-DIM) Hood Kit....\$2,299

Kit Includes

8x24" or 10x24" Skirt
(Available in Vinyl or Green Rip-Stop Nylon)
Corresponding Frame
2-4' Extension Pole
Wheeled Case
Add Wrist Reporter and PVF Modules
(K-TAB-DIM) ...\$4,999



8" Low Flow 15-150 CFM (CH-8") Hood Kit....\$1,699

Kit Includes

(2) 14x14" Skirt in 12" and 24" Lengths
(Available in Vinyl or Green Rip-Stop Nylon)
14x14" Frame
2-4' Extension Pole
Hard Cover Case
Add Wrist Reporter and PVF Modules
(K-TAB-8") ...\$4,199

The right skirt and frame for the job

SKIRTS AND FRAMES

CALL FOR CUSTOM ORDERS

Skirts

	8"	15"	3#
Size	Price		
6"x48"	\$299		
8"x24"x24"	\$199	\$199	\$199
14"x14"x12"	\$199	\$199	\$199
14"x14"x24"	\$199	\$199	\$199
16"x16"x24"	\$199	\$199	
16"x16"x34"	\$169	\$199	
1'x2'	\$199	\$199	\$199
2'x2'	\$199	\$199	\$199
2'x4'		\$299	\$299
1'x4'		\$299	\$299
1'x5'		\$299	\$299
1'x6'		\$399	\$399
3'x3'			\$399
3'x4'			\$399
4'x4'			\$399

One Piece Welded Frames

Size	Price
6"x24"	\$199
8"x24"	\$199
14"x14"	\$199
16"x16"	\$199
2'x2'	\$199
1'x2'	\$199

Frame Assembly

Size	Price
6"x48"	\$349
2'x2'	\$299
2'x4'	\$299
1'x4'	\$299
1'x5'	\$299
1'x6'	\$399
3'x3'	\$399
3'x4'	\$399
4'x4'	\$399

Magnetic Frames

Size	Price
2x2'-CH-15"	\$299
2x2'-CH-3#	\$349
2x4'	\$349
1x4'	\$349
1x5'	\$349

Hood Cases

15" & 3# Case w/wheels	\$399
Canvas	\$199
8" Hood Case	\$299





TAB Kits

FASTER - EASIER - SAFER

TAB Kit options for different balancing needs

TAB KITS

CUSTOMIZED KITS AVAILABLE



All Inclusive K-TAB-6

Stay organized and efficient.



TAB Kit case when closed 23"x15"x9"

TAB KIT OPTIONS FOR DIFFERENT BALANCING NEEDS

			Individual Pricing	K-TAB-4	K-TAB-5	K-TAB-6
WRIST REPORTER						
Wrist Reporter with Thumbswitch	WR-401/ WR-TS-1	\$2,199		x	x	x
Pressure / Velocity / Flow	S-PVF-1	\$1,099		x	x	x
Air Temp (Sensor = Module + Probe)	S-T-5	\$299		x	x	x
Surface Temp Probe	PR-T-2	\$249				x
Water Temp Probe	PR-T-4-6"	\$249			x	x
Humidity / Psychrometric / Temp	S-H-3-5"	\$399			x	x
ACCESSORIES						
Velocity Grip™ Handle (for one-handed velocity traverse)		\$349				x
Velocity Probe (Dwyer 18" foil type)		\$199			x	x
Velocity Grid (Dwyer kit)		\$299			x	x
Static Tips (2 ea) & 6' hoses (3 ea)		\$29			x	x
Carrying Case		\$249		x	x	x
Kit Prices				\$3,599	\$4,499	\$4,799
<i>Total Value if Priced Separately</i>				\$3,846	\$5,021	\$5,619
Savings				\$247	\$522	\$820



List of products Call or email for custom orders customer.service@evergreentelemetry.com

Wrist Reporter

WR-401 Stores 100,000 readings with thumbswitch.....\$2,199

PVF AIR Module Pricing

S-PVF-1 Pressure/Velocity Sensing Module.....\$1,099

Door Pressure TAB Kit.....\$649

Temperature Sensors

Complete Sensor S-T-5.....\$299 Probe Only PR-T-5.....\$249

Shaft for air only 1/4" x 5"

Complete Sensor S-T-2.....\$299 Probe Only PR-T-2.....\$249

Surface temperature button-style 3/8" dia.

Complete Sensor S-T-4-6"\$299 Probe Only PR-T-4-6".....\$249

Durable insertion shaft with T-handle 1/8" dia. x 6"

RMT-1.....\$149

Humidity Sensor

S-H-3-5".....\$399

Shaft is 5" long

Meter-Sensor with Built-In Display

MS-T&H-101.....\$599

Includes PR-T-4-6 insertion probe and Temp/Humidity Probe

MS-T&H-102.....\$699

Includes 12" and 24" Temp/Humidity Probes

5" Probe PR-TH-1.....\$249

12" Probe PR-TH-12.....\$299

24" Probe PR-TH-24.....\$299

MS-CO2-1.....\$699



Continued Support

INSTRUMENT CALIBRATION & REPAIR

NIST-Traceable Calibration

Service

Services include repair and NIST-traceable calibration of Evergreen Telemetry products. Only Wireless Sensing Modules are calibrated. The Wrist Reporter is a digital device optimized for display and storage - it has no role in measurement.

Shortridge Instruments HDM & ADM's are calibrated for pressure, temperature, velocity, and airflow.

Readings at setpoints are compared to NIST-traceable standards. No adjustments or repairs are performed.

Instruments and Setpoints

The key calibration tool is the Setra 869, the most accurate low-pressure calibrator in the world. The Setra 869 boasts an accuracy of ± 0.0002 in wc for its lowest range.

See the nearby table for nominal test points.

Additional test points may be added for a small fee.

- Barometric Pressure (in Hg): 20, 29, 32
- Differential Pressure (in wc): 10, 2, .5, .05, -10, -.05
- Temperature (°F): 33, 75, 140. (New NEBB: -40, +240°F)
- Velocity (FPM): 100, 500
- Airflow (CFM): Velocity and pressure tests are normally sufficient to guarantee airflow



Two-Day Guarantee

Calibrations are two days, in-house, or the service is free.

Calibration cost

Pressure Sensing Module: (S-PVF-1).....	\$499
Water Pressure S-DP-xxx.....	\$499
Temperature Sensor.....	\$99
Temperature Probe Only.....	\$99
Humidity (Included NEW Sensor Chip).....	\$269
Capture Hood (add to module price).....	\$249
Shortridge ADM or HDM (includes batteries).....	\$599
Replace batteries (rechargeable Ni-MH 1.2v 200 MAH AA batteries).....	\$49
Analog Gauge.....	\$99

Recommended Re-Calibration

2 years
1 year
2 years
2 years
1 year
Not Required

REFURBISH SERVICES

Pressure Sensor-new case & labels.....	\$249
Wrist Reporter-new case & keypad.....	\$399
Capture Hood - refurbish base, replace skirt & frame.....	\$599
Lid/Display.....	\$199
Field Refurbish Kit (Sidewall, Foam, Mounts, Sticks).....	\$199
Field Refurbish Kit with 2'x2' skirt and frame.....	\$149

FOR REPAIR AND CALIBRATION

Service Request form available online at www.evergreentelemetry.com

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customer.service@evergreentelemetry.com

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