

### ONE METER FOR: AIR, WATER & HUMIDITY

**HOW DOES IT WORK? SEE VIDEO DEMOS AT [WWW.EVERGREENTELEMETRY.COM](http://WWW.EVERGREENTELEMETRY.COM).**

Evergreen Telemetry's innovative instrument architecture delivers unprecedented convenience and speed for technicians that solve problems requiring repeated measurements of multiple parameters in different locations. Air balance and Cx are challenging fields that illustrate the powerful productivity benefits of the Evergreen Telemetry system.

### WRIST REPORTER

The Wrist Reporter displays a continuous stream of real-time readings at the user's wrist, hand, clipboard, hood--wherever seen conveniently.



#### System At A Glance

Example display format options include: Velocity, Static Pressure, Barometric Pressure, Temperature & Flow

### TWO DATALOGGING MODES

**Mode A.** Readings stored in Wrist Reporter. Max readings determined by Wrist Reporter model type. User selects intervals of 10 min, 1 min, etc. No PC required on site. Readings can be uploaded to a PC spreadsheet at a later time.

**Mode B.** Wrist Reporter attaches to a PC. User names each sensor and selects any desired interval. Readings are stored in real time in a PC spreadsheet. The PC determines the max number of readings (very large).

Model	Max Readings Store & Datalog Mode A	Datalog Modes Supported	Price
301	20,000	A only	N/A
401	100,000	A and B	\$1,799
Upgrade Model 301 to Model 401 (existing customers)			\$299

### SENSORS

Attach to ducts, coils, grilles with magnets, clips, or Velcro. Always reading and transmitting.



The user carries just one meter case, not five. Sensors measure all types of parameters.

Up to ten different sensors of any type can link to the Wrist Reporter at the same time and be displayed and stored or datalogged. All stored readings are time and date stamped.

### THUMB SWITCH

Even the act of storing the current reading in memory can be performed without reaching a hand to the keypad.



# The Ultimate **TAB Tool Kit** **Faster Easier Safer**

## **EVERGREEN™** **TELEMETRY**

SUPPORT FOR  
SHORTTRIDGE

**FREE FIELD TRIALS  
NO OBLIGATION**

**VELOCITY & DUCT SP  
SIMULTANEOUSLY**



### Ideal for Duct Traverse

- Zero Dangling Hoses
- One Hand to Operate
- Two Concurrent Results  
Velocity & Static Pressure
- 100,000 Readings Time Stamped
- Supports Existing Pitot  
& "foil" Probes



### Ideal for Room Pressure

- 10 Locations Simultaneously
- 4 Continuous Updates Wirelessly
- Zero Back-and-Forth  
with Handheld Meter

### Ideal for Airflow

- One Second Per Reading
- Reduce weight by 2lbs. (20%)
- Adjust Damper - get immediate  
results wirelessly



### Ideal for Datalogging

- Up to ten sensors simultaneously
- Intervals of 10 min, 1 min  
or continuous

- **TAB**
- **COMMISSIONING**
- **LABS**
- **CLEANROOMS**

**602-574-6192**

[info@evergreentelemetry.com](mailto:info@evergreentelemetry.com)

624 S. Perry Ln., #102, Tempe, AZ 85281

Evergreen Telemetry products are protected by these US Patents: 8,578,790; 9,074,917; 9,605,857; other patents pending. revised 9/19

### Air Sensing Module(s) for Air Balancing & Cx

#### APPLICATIONS

- Room Pressures
- Building Pressurization
- Airflow with Capture Hood
- Duct Pressures
- Velocity with Pitot Tube or Foil
- Datalogging

#### OPERATION

- Wireless modules send continuous readings to the Wrist Reporter.
- Multiple modules can monitor multiple locations simultaneously.

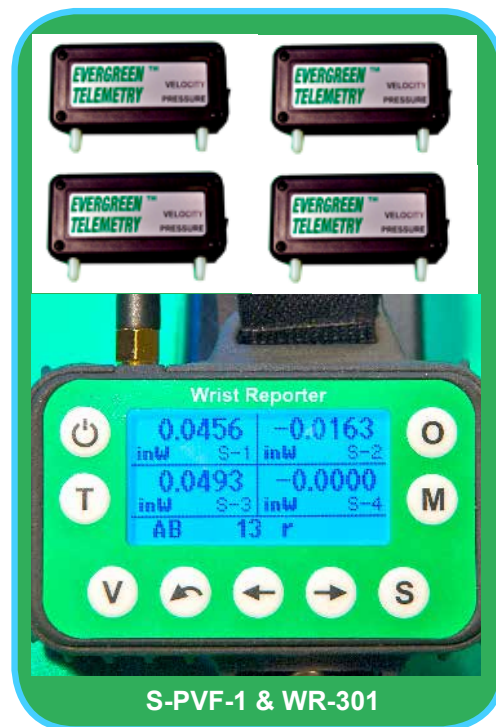
**\* Note:** For room-to-room pressure applications, a balancer can place up to 10 pressure sensors at doors and monitor or datalog all 10 concurrently. Changes in dampers and fan speed can be evaluated in real time. The same sensing module is used for velocity and flow applications, as well as, pressure.

#### AIR MODULE SPECIFICATIONS

**Air Flow:**..... $\pm 3\%$  of reading  $\pm 7$  cfm from 100 to 2500 cfm  
**Air Velocity:**..... $\pm 3\%$  of reading  $\pm 7$  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  $\pm 0.001$  in wc from 0.01 to 10 in wc;  $\pm 10$  in wc FS; 100 in wc safe pressure  
**Absolute Pressure:**..... $\pm 2\%$  of reading  $\pm 0.1$  in Hg from 14 to 32 in Hg referenced to vacuum  
 (corresponds to elevation of 36,000 ft.)  
**Position Sensitivity:**.....unaffected by position  
**Calibration:**.....certified NIST traceable  
**Connections:**.....1/4" OD slip-on for 3/16" ID soft tubing  
**Battery:**.....Lithium Ion, 30 hours per charge, Recharge in 4 hours  
**Operational Temperature Limits:**...40°F to 140°F  
**Datalogging:**.....Time-stamped readings. Up to ten sensors simultaneously  
 User-selectable reading intervals of 10 mins, 1 min, etc.

#### AIR MODULE PRICING

**S-PVF-1** Pressure/Velocity Sensing Module.....\$899



**SUPPORT FOR  
SHORTRIDGE**

- Replaces heavy ADM Meter
- NIST-Traceable Accuracy
- Airflow via Capture Hood
- Face Velocity via Grid
- Duct Velocity via foil or pitot





### KIT PRICES

**K-T-1 Kit Includes:**.....\$1,099.00

RM-T-1 Four Radio Modules  
PR-T-5 Four Air Sensing Probes  
PR-T-4 One Insertion Probe 1/8" x 6"  
PR-T-2 One Surface Probe

**K-H-1 Kit includes:**.....\$1,299.00

S-H-3-5" four sensors for AHU  
evaluation: SA, RA, OA, MA.

### FEATURES AND BENEFITS

- Wrist Reporter displays four or eight results from different locations concurrently
- Datalogs up to 10 sensors at a time
- Small probes easy to place at point of interest
- Calibration certified NIST-Traceable

**SUPPORT FOR  
SHORTRIDGE**

### APPLICATIONS

Survey Rooms and Ducts      Water-side balance  
Ventilation Ratio              Datalogging  
Coil Efficiency

### PRODUCTS SOLD INDIVIDUALLY

#### WRIST REPORTER

**WR-401** Stores 100,000 readings, with thumbswitch.....\$1,899.00

#### TEMPERATURE SENSORS

All Temperature Sensors (S-T-x) are comprised of a 2" x 2" x 1/2" Radio Module (RM-T-1), separately priced at \$149 and an interchangeable Temperature Probe (PR-T-x).

There are two specifications for accuracy. These innovative probes were designed for outstanding accuracy within the normal operating range. The wider NEBB range is also supported.

- 1) Accuracy is +/- 0.3 °F over the range of 32 to 158 °F.
- 2) Accuracy is 0.5% + 1.4 °F over the range of -40 to +240 °F.

**Complete Sensor S-T-5.....\$249.00      Probe Only PR-T-5.....\$149.00**  
Shaft for air only 1/4" x 5"

**Complete Sensor S-T-1.....\$249.00      Probe Only PR-T-1.....\$149.00**  
Fast-acting insertion shaft 1/16" dia. x 5" long

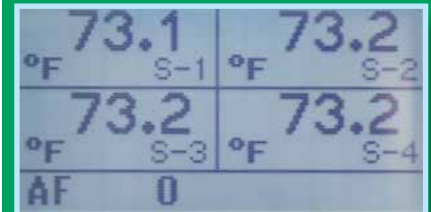
**Complete Sensor S-T-2.....\$249.00      Probe Only PR-T-2.....\$199.00**  
Surface temperature button-style 3/8" dia.

**Complete Sensor S-T-4-6" .....\$299.00      Probe Only PR-T-4-6".....\$249.00**  
Durable insertion shaft with T-handle 1/8" dia. x 6"

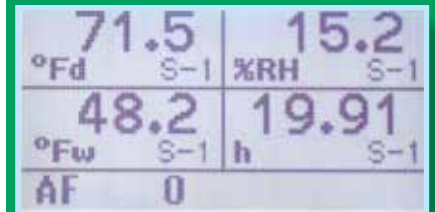
#### HUMIDITY SENSOR

Psychrometric Sensor is a smart humidity sensor. No wet sock required. Directly measures temperature (dry bulb), humidity (%RH), and barometric pressure. Calculates wet-bulb temperature, enthalpy (h), humidity ratio (w), grains of moisture (gr), and specific volume (v). Temperature accuracy is (32 to 125 °F +/- 1.0, 125 to 158 °F +/- 3.0) Humidity accuracy is (10 to 90%,RH+/- 3.0).

**S-H-3-5".....\$399.00**  
Shaft is 5" long



Temperature screen display



Humidity screen display



Humidity screen display 2  
Humidity results are automatically  
adjusted for local air density.

Humidity  
Sensor  
**S-H-3-5"**





The PR-T-5 for air applications has extremely fast reaction time and has a durable fiberglass shaft.

It can replace the slower and more delicate PR-T-1 in most non-immersion applications. As with other Evergreen Telemetry Temperature Probes, the PR-T-5 is interchangeable with other probes. Any Temperature Probe can be inserted into any Radio Module—the resulting Temperature Sensor will still meet the specs.



Temperature  
Sensor  
S-T-5

Type	Complete Sensor	Probe	Description & Benefits
Air	S-T-5	PR-T-5	Tough fiber shaft 5" x 5/16", very fast in air
Air	S-T-1	PR-T-1	Steel shaft 5" x 1/16" dia, fast in air, H2O compliant
Contact	S-T-2	PR-T-2	Steel button probe for pipe/ duct surfaces
Immersion	S-T-4	PR-T-4-6	Steel shaft 6" x 1/8" dia, slow in air, great for H2O Handle helps with Pete's Plugs

### Accuracy Specifications *Wide Range & Narrow (Best of Both Worlds)*

All	Sensor	Probe	Range	Spec
	S-T-x	PR-T-x	-40 to +240°F	+/- 0.5% of reading + 1.4°F (NEBB)
	S-T-x	PR-T-x	+32 to + 158°F	+/- 0.3°F (Industry Best!)



*All Inclusive K-TAB-6*



*TAB Kit case when closed 23"x15"x9"*

## TAB KIT OPTIONS FOR DIFFERENT BALANCING NEEDS

<i>All Inclusive K-TAB-6</i>			<i>Individual Pricing</i>	K-TAB-4	K-TAB-5	K-TAB-6
<b>Wrist Reporter</b>						
Wrist Reporter	WR-401	\$1,799	x	x	x	
Thumbswitch	WR-TS-1	\$100	x	x	x	
<b>Sensing Modules</b>						
Pressure / Velocity / Flow	S-PVF-1	\$899	x	x	x	
Air Temp (Sensor = Module + Probe)	S-T-5	\$249	x	x	x	
Surface Temp Probe	PR-T-2	\$199			x	
Water Temp Probe	PR-T-4-6"	\$249		x	x	
Humidity / Psychrometric / Temp	S-H-3-5"	\$399		x	x	
<b>Accessories</b>						
Velocity Grip™ Handle (for one-handed velocity traverse)		\$349			x	
Velocity Probe (Dwyer 18" foil type)		\$163		x	x	
Velocity Grid (Dwyer kit)		\$199		x	x	
Static Tips (2 ea) & 6' hoses (3 ea)		\$29		x	x	
Carrying Case (if case not required, subtract \$175)		\$175	x	x	x	

<b>KIT Prices</b>	<b>\$2,995</b>	<b>\$3,695</b>	<b>\$3,995</b>
<i>Total Value if Priced Separately</i>	\$3,222	\$4,261	\$4,809
<b>Savings</b>	<b>\$227</b>	<b>\$566</b>	<b>\$814</b>



**Each Kit comes with a printed and digital operating manual**

## UNIQUE FEATURES FOR HIGHER PRODUCTIVITY

### 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
- Return Air
- Sidewall
- Low-flow Exhaust
- UFAD
- BSC's

### Hood Fabric:

Clear Vinyl

CH-15" Skirts available in Green Rip-Stop Nylon  
(as show below)

### Cross Brace & ACME Thread Pole Connector

*The pole connector is mounted centrally to the hood base, optimizing the balance and handling when the hood is used with an extension pole or hood stand.*



*The pole connector has a standard Acme thread that is identical to most off-the-shelf paint roller components. Each hood comes with a 2-4' extension pole. There are a wide variety of compatible poles available at most hardware stores.*

### CH-STAND-101A Support for Evergreen Telemetry hoods

### CH-STAND-101B Support for Evergreen Telemetry & Shortridge

Stands support ceilings up to almost 13 feet.  
Heavy duty frame on quality rollers.

**Stands 101A & B** are manufactured and distributed by Southeast TAB Equipment. For price and delivery contact:  
Gary Tester  
email: [gary.setab@ix.netcom.com](mailto:gary.setab@ix.netcom.com)  
phone: (919) 612-7855



*CH-15" Hood shown with 1x4' Green Rip-Stop Nylon fabric skirt*





### THREE POUNDER

- Lightest hood in history
- Range 30 to 3000 CFM
- Solid 2x2' Magnet Frame
- Many handle options
- Third hood in the ET family  
Does not replace CH-15D or CH-8D
- CH-15D Trade-ins welcome:
  - < 6 months: 100% credit toward ET-3#
  - 6-12 months: 75%
  - 12-18 months: 50%
  - 18-24 months: 25%

Price: \$2,299

*\* Free Field Trial - No Obligation \**



### ORIGINAL DESIGN CH-15D

- Range 50-2500 CFM
- Skirts available in Green Rip-Stop Nylon
- Magnet Frame options now available

Price: \$1,399



*Wheeled Case*



### DIFFERENT HOODS FOR DIFFERENT APPLICATIONS

#### CH-8D



APPLICATION:  
BATHROOM  
EXHAUSTS



#### CH-15D



#### THEE POUNDER



#### PRICE (\$)

*Includes:*

#### Skirt / Frame

#### Extension Pole

#### Carrying Case

**CH-8D (CFM: 15-150)**

\$1,399

14"x14"x24"  
& 14"x14"x12"

2-4'

24"x19"x10"x15#

**CH-15D (CFM: 100-2,500)**

\$1,399

2X2'

2-4'

25"x25.5"x10"x23#

**3 POUNDER (CFM: 30-3,000)**

\$2,299

2X2'

2-4'

25"x25.5"x10"x19#

### Select Skirt then corresponding frame of frame assembly.

#### Skirts

6x48"

8x24"

14x14x12"

14x14x24"

16x16"

1x2'

2X2'

2x4'

**8"**

N/A

N/A

\$99

\$99

N/A

\$149

\$199

N/A

**15"**

\$299

N/A

N/A

N/A

\$169

\$169

\$169

\$299

**3#**

N/A

\$199

N/A

N/A

\$169

\$169

\$199

\$299

#### Solid Frame

6x48"

8x24"

14x14"

16x16"

2x2'

\$249

\$199

\$99

\$129

\$99

1x4'

N/A

\$299

\$299

1x5'

N/A

\$299

\$299

1x6'

N/A

\$349

N/A

3x3'

N/A

\$399

\$399

3x4'

N/A

\$399

\$399

#### Frame Assembly (Collapsible for easy travel)

2x2'

\$199

2x4'/1x4'/1x5'

\$199

1x6'

\$249

3x3

\$299

3x4

\$299

#### Magnet Frame

2x2' -CH-15"

\$299

2x2' -CH3#

\$249

2x4'/1x4'/1x5'

\$349

#### Magnet Retro-Fit Kit

(6) Magnets

\$349





WIRELESS  
PRESSURE  
MODULE (4oz)

NOW  
REPLACES

COMPETITOR'S  
METER (2Lbs.)

### FEATURES:

- User Selects Reading Speed
- Real-Time Readings Displayed on Wrist
- Stores & Time Stamps
- Supports Flap Operation
- View 4 Hoods on one Wrist Reporter

### BENEFITS:

- Faster, Easier, Safer
- Immediate Feedback to Damper Adjust
- Compare Reference Hood to others
- Facilitate One-Man Balancing
- Hood Lighter by 2 Pounds (20%)

Hood Stand Supports  
BOTH Hood Types:  
Evergreen Telemetry  
& Shortridge

\* See Innovative Capture Hoods  
page for manufacturer details.



Continuous Real-Time Readings During System Adjustments

Readings sent wirelessly to Wrist Reporter™

Simultaneous Display



- **Simultaneous display** of High Gage; Low Gage and Differential
- **Compact and convenient**
- **Standard accessories:** Case; HVAC hoses; Brass Kit #1



**K-DP-250.....\$2,495**

*Includes:*

**Brass Kit #1**  
**HVAC Hoses**  
**Battery Charger & Cable**  
**Exhaust Hose & Case**

- Max of 250 PSI
- 2 LBs., 5" x 4" x 4"
- NEBB Compliant



**Brass Kit #1**



**Brass Kit #2**



Optional Brass Kit #2 (at lower right).....\$249  
Optional Analog Gauge.....\$100  
Wrist Reporter M401 with Thumbswitch.....\$1,899

**\* Free Field Trial - No Obligation \***

## INSTRUMENT CALIBRATION

### GENERAL

Services include repair and NIST-traceable calibration of Evergreen Telemetry products. Only Wireless Sensing Modules are calibrated. The recommended period is one year for humidity and water. 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



### TURNAROUND TIME GUARANTEE

Instruments will spend less than two business days at Evergreen Telemetry. For instance, if received on Monday, we will ship by Thursday at the latest. If we miss that milestone, the calibration service fee will not be charged.

### CALIBRATION COST

Pressure Sensing Module: (S-PVF-1).....	\$495
Water Pressure S-DP-xxx.....	\$495
Temperature .....	\$195
Humidity (Included NEW Sensor Chip).....	\$215
Capture Hood (add to module price).....	\$150
Shortridge ADM or HDM.....	\$495

### RECOMMENDED RE-CALIBRTION

2 years
1 year
2 years
1 year
N/A
N/A

### REFURBISH SERVICES

Replace old batteries--Shortridge ADM/HDM.....	\$45
with rechargeable Ni-MH 1.2v 200 MAH AA batteries	
Pressure Sensor--new case & labels.....	\$100
Wrist Reporter--new case & keypad.....	\$200
Capture Hood - refurbish base, replace skirt & frame.....	\$350

### PROCEDURE FOR REPAIR AND CALIBRATION

Contact us for a service request form or download it from [www.evergreentelemetry.com](http://www.evergreentelemetry.com)  
Ship to factory address below