ONE METER FOR: AIR, WATER, & HUMIDITY

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.

Free Field Trials Available!! Zero Obligation

System At A Glance

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.

THUMBSWITCH

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

WRIST REPORTER SENSORS: for air, water, and humidity

SENSORS

Sensors measure all types of parameters. Attach to ducts, coils, grilles with magnets, clips, or Velcro. Up to ten different sensors, of any type, can link to the Wrist Reporter, at the same time Readings can be displayed and stored, or datalogged. All stored readings are date and time stamped.

Always reading and transmitting.

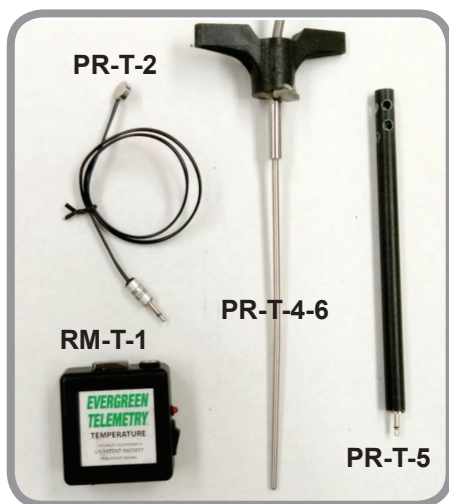*Airflow Velocity*
Pressure Sensor
S-PVF-1

Humidity
Sensor
S-H-3-5"

Temperature
Sensor
S-T-5

The user carries just one case, not five.

* COMING SOON *
Water Pressure / Flow / CO/CO_2
Volts / Amps / Watts

PR-T-2

PR-T-4-6

RM-T-1

PR-T-5

TEMPERATURE SENSORS

All Temperature Sensors (S-T-x) are comprised of one 2" x 2" x ½" Radio Module, (RM-T-1) and one 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.

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
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

ACCURACY SPECIFICATIONS *Wide Range & Narrow (Best of Both Worlds)*

| 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!)

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).

Humidity Sensor
S-H-3-5
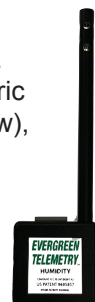
NOW AVAILABLE!
METER-SENSOR WITH BUILT-IN DISPLAY
Meter-Sensor MS-T&H-101..$595
(includes PR-T-4-6 Insertion Probe and PR-H-1 Probe)
T&H: Interchangeable probes support humidity as well as temperature for air and water.

COMING SOON
Pressure: For duct pressure, velocity traverse, and capture hoods.

CO2: 0 to 2000 ppm. Includes a fan for readings in return ducts

Temperature screen display

Humidity screen display

Humidity screen display 2

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

Free Field Trials Available!!

Zero Obligation

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.
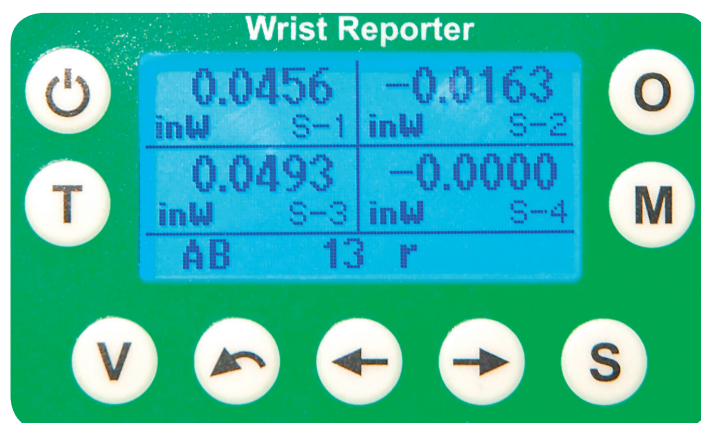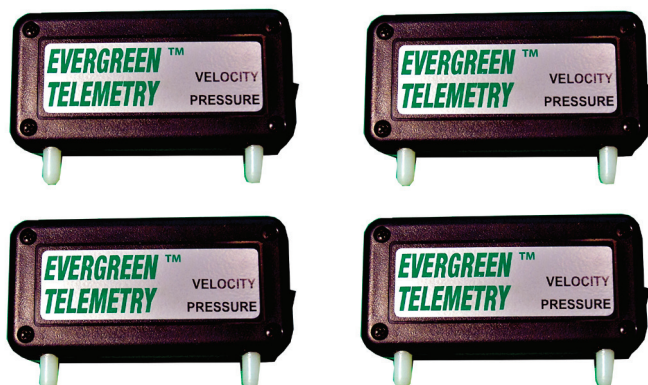
AIR MODULE SPECIFICATIONS

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

Air Velocity.....................................± 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.....................± 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........................±2% of reading ± 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.

PVF MODULE

www.EvergreenTelemetry.com

EVERGREEN™ TELEMETRY

SENSOR PRICING
FASTER   EASIER   SAFER

KIT PRICES

K-T-1 Kit *Includes*:...............................$1,099
RM-T-1   Four Radio Modules
PR-T-5   Four Air Sensing Insertion Probes
PR-T-4   One Insertion Probe 1/8" x 6"
PR-T-2   One Surface Probe

K-H-1 Kit *includes:*...............................$1,299
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
• Datalog up to 10 sensors at a time
• Small probes easy to place at point of interest
• Calibration certified NIST-Traceable

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

WRIST REPORTER
WR-401 Stores 100,000 readings with thumbswitch**..$1,999**

AIR MODULE PRICING
S-PVF-1 Pressure/Velocity Sensing Module**...$999**

TEMPURATURE 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"

HUMIDITY SENSOR
S-H-3-5"...$399
        Shaft is 5" long

METER-SENSOR
MS-T&H-101…………….....................$595
Includes PR-T-4-6 insertion probe and Temp/Humidity Probe PR-TH-1

Free Field Trials Available!!
Zero Obligation

TAB Kit case when closed 23"x15"x9"

All Inclusive K-TAB-6

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	$1,999	x	x	x
SENSING MODULES					
Pressure / Velocity / Flow	S-PVF-1	$999	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 *(if case not required, subtract $175)*		$225	x	x	x
Kit Prices			**$3,349**	**$4,199**	**$4,499**
Total Value if Priced Separately			*$3,522*	*$4,697*	*$5,295*
Savings			*$173*	*$498*	*$796*

Each Kit comes with a printed and digital operating manual

Faster Easier Safer

EVERGREEN™ TELEMETRY

• **TAB**
• **LABS**
• **COMMISSIONING**
• **CLEANROOMS**

FREE FIELD TRIALS NO OBLIGATION

VELOCITY & DUCT SP SIMULTANEOUSLY

Velocity Grip Handle
for single handed traverse

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

Free Field Trials Available!! Zero Obligation

EVERGREEN TELEMETRY™

INNOVATIVE CAPTURE HOODS
FASTER   EASIER   SAFER

THREE POUNDER……..................Price: $2,299
- **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 CH-3#
  6-12 months: 75%
  12-18 months: 50%
  18-24 months: 25%

ORIGINAL DESIGN CH-15D….. Price: $1,599
- **Range** 50-2500 CFM
- **Skirts** available in Clear Vinyl and Green Rip-Stop Nylon
- **Magnet Frame** options now available

DIM AIRFLOW HOOD …............Price: $2,999
Based on the Three Pounder
- **Lightweight** and maneuverable
- **Adaptable** to other TAB applications, if required
- **Extendable flaps** to seal cabinet openings up to 8' wide
- **Ultra-low resistance** to exhaust mode airflow
- **Inlet area** is almost 2 square feet
- **Bellmouth Belt** *(pat pend)* induces superior airstream pattern

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 <u>most</u> 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.

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 Cases

15" & 3# Case w/wheels …. $300
8" Hood Case …................ $200

DIFFERENT HOODS FOR DIFFERENT APPLICATIONS

CH-15D *(CFM: 100-2,500)* ### 3 Pounder *(CFM: 30-3,000)*

	CH-15D	3 Pounder
Price	$1,599	$2,299
Includes:		
Skirt / Frame	2x2'	2x2' Magnet Frame
Extension Pole	2-4'	2-4'
Carrying Case	25x25.5x10"	25x25.5x10"

APPLICATION: BATHROOM EXHAUSTS

DIM Airflow *(CFM: 30-3,000)* ### CH-8D *(CFM: 15-150)*

	DIM Airflow	CH-8D
Price	$2,999	$1,599
Includes:		
Skirt / Frame	8x24" x _____	14x14x24" & 14x14x12"
Extension Pole	2-4'	2-4'
Carrying Case	25x25.5x10"	24x19x10"
Modules	WR-201, Thumbswitch, S-PVF-1	

Select Skirt, then corresponding frame or frame assembly.

Skirts

Size	8" Price	15"	3#
6"x48"	N/A	$299	N/A
8"x24"x24"	N/A	N/A	$199
14"x14"x12"	$99	N/A	N/A
14"x14"x24"	$99	N/A	N/A
16"x16"x24"	N/A	$169	$169
16"x16"x34"	N/A	$169	$169
1'x2'	$169	$169	$169
2'x2'	$199	$199	$199
2'x4'	N/A	$299	$299
1'x4'	N/A	$299	$299
1'x5'	N/A	$299	$299
1'x6'	N/A	$399	$399
3'x3'	N/A	$399	$399
3'x4'	N/A	$399	$399
4'x4'	N/A	$399	$399

One Piece Welded Frames

Size	Price
6"x24"	$199
8"x24"	$199
14"x14"	$149
16"x16"	$149
2'x2'	$149

Frame Assembly

Size	Price
6"x48"	$349
2'x2'	$199
2'x4'	$269
1'x4'	$269
1'x5'	$269
1'x6'	$349
3'x3'	$349
3'x4'	$349
4'x4'	$399

Magnetic Frames

Size	Price
2x2'-CH-15"	$299
2x2'-CH-3#	$249
2x4'	$349
1x4'	$349
1x5'	$349

CONTACT OUR OFFICE FOR CUSTOM SKIRT AND FRAME PRICING

Hood Fabric
• Clear Vinyl
• CH-15" Skirts available in Green Rip-Stop Nylon

Free Field Trials Available!!
Zero Obligation

EVERGREEN™ TELEMETRY

WATER PRESSURE KIT
FASTER   EASIER   SAFER
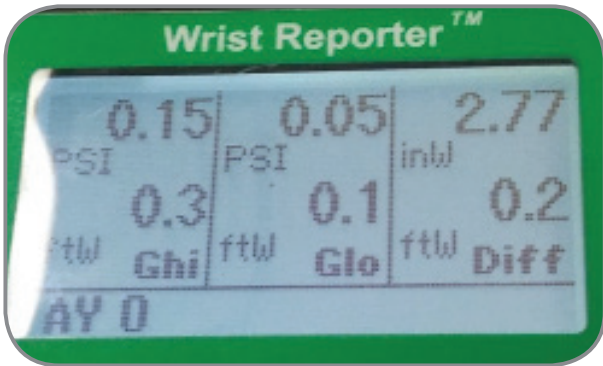
Wrist Reporter™

Readings sent wirelessly to Wrist Reporter™

**Continuous Real-Time Readings
During System Adjustments
High Gage, Low Gage and
Differential Display Simultaneously**

Compact and convenient!
5x4x4", 2 lbs.

K-DP-250

K-DP-250…….....…..**$2,495**
Includes:
**Brass Kit #1
HVAC Hoses
Battery Charger & Cable
Exhaust Hose & Case**

Optional Brass Kit #2 ....……....................…......**$249**
Optional Analog Gauge……......…...................……….................…......**$100**
Wrist Reporter WR-401 with Thumbswitch ....………........**$1,999**

Brass Kit #1

Brass Kit #2

SPECIFICATIONS
NEBB COMPLIANT
Range
Differential Pressure and Gage Pressure - 0 PSI to + 250 PSI
Accuracy
Differential and Gage Pressure - 2% of reading + last digit

Notes
Specifications are designed to comply with 2019 NEBB specifications.
Calibration includes three or more test points.

Free Field Trials Available!!
Zero Obligation

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

COMPATIBILITY WITH
- Shortridge Capture Hoods, Velocity Grids and Pitot Tubes or Air foil
- Dwyer Velocity Grids and Pitot Tubes or Air foil

BENEFITS
- Faster, Easier, Safer
- Immediate Feedback to Damper Adjust
- Compare Reference Hood to others
- Facilitate One-Man Balancing
- Hood Lighter by 2 Pounds (20%)
- Replaces heavy ADM Meter
- NIST-Traceable Accuracy
- Airflow via Capture Hood
- Face Velocity via Grid
- Duct Velocity via foil or pitot

Stands support Ceilings up to almost 13'.
Heavy-Duty frame on quality rollers.
Stands are manufactured and distributed by Southeast TAB Equipment.
For price and delivery, contact:
Gary Tester
email: gary.setab@ix.netcom.com
phone: (919) 612-7855

CH-STAND-101A Support for Evergreen Telemetry hoods
CH-STAND-101B Support for Evergreen Telemetry & Shortridge

Free Field Trials Available!!
Zero Obligation

INSTRUMENT CALIBRATION

GENERAL
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

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

		RECOMMENDED RE-CALIBRATION
Pressure Sensing Module: (S-PVF-1)	$495	2 years
Water Pressure S-DP-xxx	$495	1 year
Temperature Sensor	$195	2 years
Temperature Probe Only	$100	2 years
Humidity (Included NEW Sensor Chip)	$235	1 year
Capture Hood (add to module price)	$150	Not Required
Shortridge ADM or HDM	$495	N/A
Replace batteries *(rechargeable Ni-MH 1.2v 200 MAH AA batteries)*	$45	

REFURBISH SERVICES

Pressure Sensor-new case & labels	$195
Wrist Reporter-new case & keypad	$295
Capture Hood - refurbish base, replace skirt & frame	$350

FOR REPAIR AND CALIBRATION
Contact us for a service request form or download it from www.evergreentelemetry.com
Ship to factory address below