

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.

HOW DOES IT WORK? SEE VIDEO DEMOS AT www.EvergreenTelemetry.com

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 desired interval. Readings are stored in real time in a PC spreadsheet. The PC determines the max number of readings.

Model	Max Readings Store & Datalog Mode A	Datalog Modes Supported	Price
301	20,000	A only	N/A
401	100,000	A and B	\$1,899
Upgrade Model 301 to Model 401 (existing customers)			\$299

SENSORS

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



Humidity
Sensor
S-H-3-5"



Temperature
Sensor
S-T-5



Airflow Velocity
Pressure Sensor
S-PVF-1

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 date and time stamped.

* COMING SOON:

Water Pressure / Flow / CO/CO²
Volts / Amps / Watts

THUMB SWITCH

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



Air Sensing Module(s) for Air Balancing & Cx

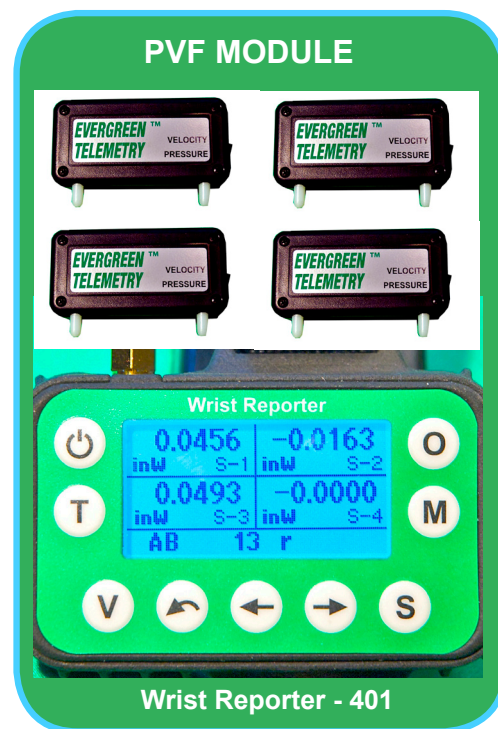
APPLICATIONS

- 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 ± 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.)

Position Sensitivity:.....unaffected by position

Calibration:.....certified NIST traceable

Connections:.....1/4" OD slip-on for 3/16" ID soft tubing

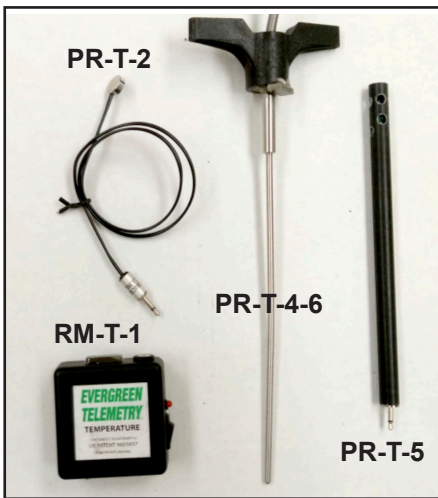
Battery:.....Lithium Ion. 30 hours per charge. Recharge in 4 hours

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.

Free Field Trials Available!!
Zero Obligation



TEMPERATURE SENSORS

All Temperature Sensors (S-T-x) are comprised of a 2" x 2" x 1/2" Radio Module. (RM-T-1) 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.



Temperature
Sensor
S-T-5



Temperature
Sensor
S-H-3-5

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).

NOW AVAILABLE!

METER-SENSOR WITH BUILT-IN DISPLAY

Meter-Sensor MS-T&H-101.....\$499

(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 IN 2020

Pressure: Great for duct pressure, velocity traverse, and capture hoods.

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



73.1 °F S-1	73.2 °F S-2
73.2 °F S-3	73.2 °F S-4
AF	0

Temperature screen display

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

Humidity screen display

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

Humidity screen display 2

Humidity results are automatically adjusted for local air density.



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
- Datalogs 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.....**\$1,899**

AIR MODULE PRICING

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

TEMPERATURE SENSORS

Complete Sensor S-T-5	\$249	Probe Only PR-T-5	\$149
<i>Shaft for air only 1/4" x 5"</i>			
Complete Sensor S-T-2	\$249	Probe Only PR-T-2	\$199
<i>Surface temperature button-style 3/8" dia.</i>			
Complete Sensor S-T-4-6"	\$299	Probe Only PR-T-4-6"	\$249
<i>Durable insertion shaft with T-handle 1/8" dia. x 6"</i>			

HUMIDITY SENSOR

S-H-3-5".....**\$399**
Shaft is 5" long

METER-SENSOR

MS-T&H-101.....**\$499**
Includes PR-T-4-6 insertion probe and Temp/Humidity Probe PR-TH-1



All Inclusive K-TAB-6



TAB Kit case when closed 23"x15"x9"

TAB KIT OPTIONS FOR DIFFERENT BALANCING NEEDS

Wrist Reporter

Wrist Reporter with Thumbswitch WR-401/ WR-TS-1 \$1,899

Sensing Modules

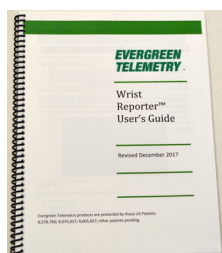
Pressure / Velocity / Flow	S-PVF-1	\$899
Air Temp (Sensor = Module + Probe)	S-T-5	\$249
Surface Temp Probe	PR-T-2	\$199
Water Temp Probe	PR-T-4-6"	\$249
Humidity / Psychrometric / Temp	S-H-3-5"	\$399

Accessories

Velocity Grip TM Handle (for one-handed velocity traverse)	\$349
Velocity Probe (Dwyer 18" foil type)	\$163
Velocity Grid (Dwyer kit)	\$199
Static Tips (2 ea) & 6' hoses (3 ea)	\$29
Carrying Case (if case not required, subtract \$175)	\$200

Individual
Pricing

K-TAB-4	K-TAB-5	K-TAB-6
X	X	X
X	X	X
		X
	X	X
	X	X
X	X	X



Kit Prices

\$2,995 \$3,695 \$3,995

Total Value if Priced Separately

\$3,247 \$4,286 \$4,834

Savings

\$252 \$591 \$839

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

Faster Easier Safer

EVERGREENTM TELEMETRY



**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**

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



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 ET-3#
 - 6-12 months: 75%
 - 12-18 months: 50%
 - 18-24 months: 25%



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.



ORIGINAL DESIGN CH-15D..... Price: \$1,399

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

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

Free Field Trials Available!!
Zero Obligation

DIFFERENT HOODS FOR DIFFERENT APPLICATIONS

CH-8D



APPLICATION:
BATHROOM
EXHAUSTS



CH-15D



THREE POUNDER



PRICE (\$)

Includes:

Skirt / Frame

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

Extension Pole

2-4'

Carrying Case

24"x19"x10"x15#

CH-8D (CFM: 15-150)

\$1,399

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

\$1,399

3 POUNDER (CFM: 30-3,000)

\$2,299

2X2'

2X2'

2-4'

2-4'

25"x25.5"x10"x23#

25"x25.5"x10"x19#

CASE OPTIONS



Wheeled Case



Standard Case

Case with Wheels.....\$300

Standard Case.....\$200

when sold separately or upgrade the kit above for an additional \$100

***Free Field Trials Available!!
Zero Obligation***

Select Skirt, then corresponding frame or frame assembly.

Skirts	8"	15"	3#
6x48"	N/A	\$299	N/A
8x24"	N/A	N/A	\$199
14x14x12"	\$99	N/A	N/A
14x14x24"	\$99	N/A	N/A
16x16"	N/A	\$169	\$169
1x2'	\$149	\$169	\$169
2X2'	\$199	\$169	\$199
2x4'	N/A	\$299	\$299
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

Solid Frame

6x48"	\$249
8x24"	\$199
14x14"	\$99
16x16"	\$129
2x2'	\$99

Magnet Frame

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

Frame Assembly *(Collapsible for easy travel)*

2x2'	\$199
2x4'/1x4'/1x5'	\$199
1x6'	\$249
3x3'	\$299
3x4'	\$299

Hood Fabric

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



CONTACT OUR OFFICE FOR CUSTOM SKIRT AND FRAME PRICING

Free Field Trials Available!!
Zero Obligation



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

Continuous Real-Time Readings During System Adjustments Readings sent wirelessly to Wrist ReporterTM Simultaneous Display



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



Optional Brass Kit #2\$249
Optional Analog Gauge.....\$100
Wrist Reporter WR-401 with Thumbswitch.....\$1,899

Brass Kit #1



Brass Kit #2



Free Field Trials Available!!
Zero Obligation

WIRELESS PRESSURE MODULE (40Z) 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%)
- 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



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

Pressure Sensing Module: (S-PVF-1).....	\$495
Water Pressure S-DP-xxx.....	\$495
Temperature Sensor.....	\$195
Probe Only.....	\$100
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
2 years
1 year
Not Required
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

FOR REPAIR AND CALIBRATION

Contact us for a service request form or download it from www.evergreentelemetry.com

Ship to factory address below