



ENTERPRISE WIRELESS MONITORING SOLUTION



The Problem

Today's healthcare facilities utilize a wide variety of equipment that require consistent monitoring programs. Regulatory compliance and patient safety place the burden on department managers to see that proper protocols are implemented, including temperature, humidity and pressure differentials. Our healthcare customers have communicated to us some of the challenges they face when utilizing manual temperature management.

- Time consuming process that can focus resources away from patients
- Inconsistent documentation of corrective actions
- Paper logs are often misplaced
- Manual monitoring programs make it difficult to assess and verify inaccurate equipment
- Remote locations (such as clinics) may be left unmonitored for extended periods of time
- Consumer grade equipment can be unreliable and often presents erratic temperature displays
- Failure to implement consistent monitoring programs can compromise inventory and cause spoilage
- Manual programs only provide temperature snapshots without historical data

The Solution

These challenges can be overcome by utilizing an industry innovation: TempTrak Wireless Environmental Monitoring System. Conversion to a 24/7, wireless solution is an easy transition with the professional installation of our system. When seeking a facility-wide solution, over 1200 hospitals have selected TempTrak, a product at the forefront of this technology for over 12 years. It provides users with a unique, customizable interface that eliminates the resource-draining expense of manual temperature collection.

TempTrak provides instant alert notifications that require acknowledgment and a corrective action. Whether you implement our 868 MHz/900 MHz or Wi-Fi solution, the system provides both real-time data and historical input that helps verify equipment malfunctions and inconsistencies.

TempTrak is most commonly used to monitor temperatures of stored medications, food, blood specimens, reagents and vaccines. It offers a comprehensive **NIST or ISO 17025** solution for any department that requires it. Whether collecting and sharing temperature data across town, or across the country, the system allows monitoring of an unlimited number of points in an unlimited number of locations or buildings with a single robust software platform, requiring minimal IT resources to maintain and manage your data.

The #1 Choice in Wireless Temperature Monitoring of Hospitals for the Past 8 Years!



Duke University Medical Center

TEMPTRAK® MONITORING SYSTEM

TempTrak Transmitters are battery powered and require no hard-wired connectivity. They are easily mounted in any location and communicate wirelessly to the Software which collects and records data 24/7.

TempTrak hardware can co-exist with other wireless communications operating in the same, or nearby frequencies (868 MHz/900 MHz), or it can utilize the facility's existing Wi-Fi network.

TempTrak software is installed on a dedicated server and secured with all other critical data. In the event the server is unavailable, data is temporarily stored either in a buffer at the receiver (868 MHz/900 MHz) or onboard the transmitter itself (Wi-Fi).

Each transmitter monitors against preset user-defined conditions and can provide alerts through a variety of methods such as a pager alarm, text message and email. Alerts can be accessed, acknowledged and cleared on any mobile device using our **EZLink™** feature (see page 9).

Transmitter information recorded to the database is time-stamped and **21 CFR Part 11 compliant**. Temperature data can be displayed in either °F or °C and gives the user the ability to audit transmitters and add notes.

TempTrak software builds reports for any hospital department via information collected through the system, and also provides documentation of corrective actions.

TempTrak Wirelessly Monitors All Types of Equipment:

- VFC Refrigerators
- Isolation Room/Clean Room Pressure Differential
- OR Suites Humidity Measurement
- Blood Specimen Storage
- Clean Room Particle Count
- CO₂ Incubator Monitor
- Ultra-low Freezers
- Blanket/Fluid Warmers
- Air Screens
- Refrigerator/Freezer Walk-ins
- Refrigerator/Freezer Reach-ins
- Under Counter Refrigeration
- Salad/Deli Bars
- Humidity-Interior/Exterior
- Hot-holding Cabinets
- Meal Delivery Carts
- Dish Machines
- Steam and Hot Water Heater Pipes
- Steam Traps



**TempTrak
Can Go
Wherever
You Go!**

Ensures Regulatory Compliance: **Joint Commission, HACCP, AABB, CAP and 21 CFR Part 11**

OUR HEALTHCARE CUSTOMERS

Critical equipment monitoring in healthcare is a labor-intensive process that diverts staff away from patient-oriented tasks. TempTrak's enterprise solution automates monitoring protocols for all healthcare divisions. Completely scalable to fit any environment, TempTrak maintains compliance to meet Joint Commission, USP797, FDA, CAP, AABB and HACCP standards.



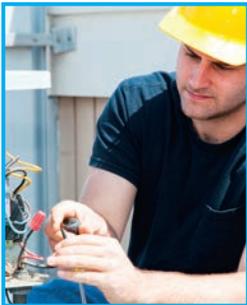
PHARMACY

The correct storage of all medications and vaccines throughout a hospital is a critical component for regulatory compliance as well as patient safety. TempTrak is recognized nationally by pharmacists as a reliable, proven system for managing and controlling temperatures of sensitive inventory. TempTrak is a real-time, 24/7 monitoring system that combines the automated collection of temperature data with notification alerts that can be customized to specific pharmacy requirements. TempTrak also offers solutions for 797 compliancy that becomes integrated into the system.



NURSING

Quality patient care is your primary focus. The TempTrak system allows nurses to provide top-quality patient care. Nursing staff can save valuable time without the inconvenience of manually gathering temperatures of refrigeration units within their specific area. Automating the temperature monitoring process of medication and nutrition refrigerators and freezers will free them from this manual task and allow nurses to devote more time to patient care. TempTrak can monitor blanket warmers, incubators and many other types of hospital equipment. Whether in the OR, ICU, NICU or PICU, our system will meet or exceed all regulatory compliance and ensure accuracy, reporting and alerting on a real-time, 24/7 basis.



FACILITIES

Maintenance of various refrigeration and other temperature-sensitive equipment can be a demanding and time-consuming task. Departmental protocols demand immediate response, and valuable time can be consumed by unwarranted work orders and calls. TempTrak is a proven ally of facilities personnel because the system is exception based, sending temperature alerts via pager alarm, text message or email only when equipment has failed to meet user-defined limits. The software provides valuable diagnostic temperature data on each piece of monitored equipment. It is used as a tool to help determine a preventative maintenance schedule before a serious problem occurs. Ask us about our BACnet integration option.



LABORATORY

The monitoring of storage units to ensure accurate and timely reporting and alarming is critical for all diagnostic and research laboratories within your organization. The TempTrak system, offering NIST traceable and ISO 17025 calibrated products, is the most trusted industry source for monitoring sensitive temperature storage environments. There are various NIST Traceable Calibration Programs available that provide real-time documentation within the software. The diversification of TempTrak allows for the monitoring of virtually all the applications present in the laboratory.



BLOOD BANK

The continuous monitoring of temperatures in Blood Bank equipment is vital in safeguarding the integrity of blood and blood products. With a wide variety of applications beyond temperature monitoring in refrigerators, you will find that TempTrak will improve compliance and enhance patient safety. TempTrak will provide a detailed history of all recordings as well as full documentation of alarming and corrective actions conforming to regulatory compliance. NIST traceable products and recalibration services offer a complete solution for your applications.



NUTRITION

Whether monitoring walk-in coolers and freezers in the kitchen, nutrition refrigerators at the nurses' stations or grab-n-go's in the cafeteria, our system can provide real-time information as well as historical data to enhance your compliance. Proper storage is an integral part of any comprehensive food safety HACCP plan. TempTrak's vast experience in foodservice, coupled with a complete understanding of HACCP compliancy, allows us to offer unique solutions to everyday problems. Serving high-quality meals is essential to superior patient care. Our user-friendly software allows you to establish monitoring protocols specific to nutritional needs and offers a multitude of alert choices (pop-up, email, text messaging, etc.) to help you better manage and protect your perishable and temperature-sensitive inventory.



BIOTECH

Maintaining specific environmental conditions is crucial for the safety and purity of pharmaceutical and biotech products. Manual medical monitoring and recording is time-consuming and a poor use of highly qualified resources. TempTrak can automatically monitor multiple types of equipment including stability chambers, refrigerators/freezers, ultra-lows, pressure differential and CO₂ incubator levels so biotech companies can guarantee that their products have been maintained in strictly controlled environments and will comply with today's high regulations including Joint Commission, CDC VFC, AABB, CAP, and AATB.



OR/SURGICAL

Environmental conditions in operating rooms must be controlled to lessen the risk of surgical site infections. Humidity, temperature and air flow are three factors involved in the spread of infectious diseases. Humidity in an operating room causes condensation to form on the ceiling, eye glasses and microscope lenses. TempTrak closely monitors the temperature and humidity levels in operating rooms and alerts users when the room has fallen out of the preset limits. In addition, TempTrak wireless sensors meet or exceed The Joint Commission Environment of Care Standards in the Operating Room Suites and Recovery Room Areas (*EC.810,EP7 and EC.7.10,EP16*).

OUR SERVICES

When selecting a vendor who can install a system designed to meet your needs, one of the most important criteria that cannot be overlooked is **SERVICE**. Our vast experience with over 1,200 customers has led us to embrace the importance of after-sale support. We have a variety of service packages designed to meet today's toughest standards. We understand your needs and go above and beyond to deliver world-class service.

Site Survey



As part of the development of a Scope Of Work, a trained team member will visit your site, survey your facility and determine the departmental requirements and further develop an accurate quotation.

Installation



We only allow our own, factory-trained installers to perform and complete your installation to ensure that your TempTrak system is fully operational in a matter of days.

Training



Whether we come on site or provide it remotely, we ensure that all users of your TempTrak system are fully trained and understand how to navigate the software. We also provide a complete set of online training videos that are available 24/7.

Calibration



We highly recommend periodic calibration of transmitters and probes. We will provide trained technicians to visit your site to perform this process and provide the required documentation.

Validation



If your facility is FDA regulated, during the installation we can provide the required IQ/OQ documentation that validates the system functionality and accuracy.

Custom Services



We can provide custom services when requested. If you require customized services we will collaborate and tailor services to meet your needs.

Remote System Checkup



As a TempTrak customer, at your request we can periodically provide a remote system checkup to ensure that all system features and functions are optimized.

Hosting



If you do not have the IT support available for setup and maintenance of a computer server to run TempTrak, we can provide remote hosting to minimize the need for your IT resources to support your TempTrak System.

Recommissioning



After delivering a Scope Of Work, we can provide on-site staff to review all communication status, verify the naming and location of all system hardware, evaluate the integrity of the system and provide a project report that details all findings, required follow up and responsibilities.

General Support



If you need assistance with the TempTrak software, our US-based technical support team is waiting to assist you. They can also answer any questions you may have about our hardware and your specific environmental monitoring needs. If you have a unique monitoring requirement, we can develop a solution for you.



REPORTING TOOLS

Microsoft SQL Reporting Services is used as the standard reporting tool in TempTrak. In addition, by utilizing an industry standard database structure, nearly any available reporting tool on the market is able to interface with the TempTrak data for reporting and analysis (including tools such as Microsoft Excel, Microsoft Access, and Crystal Reports).

The TempTrak browser interface includes a number of standard reports of the transmitter data that has been captured. All reports are available for exporting and printing through Microsoft SQL Reporting Services. Reports can be scheduled to be automatically emailed or archived and can be exported in multiple formats (eg., Excel, PDF, Word, CSV, XML, TIFF and MHTML). If specific formats are required, custom reporting is available.

Types of reports available include:

- Current transmitter readings
- Transmitter RF communication status
- Current and recently acknowledged alarms
- Low battery alarm conditions
- Audit reporting
- System configuration change report
- Historical sensor alarms by selected date
- Daily summary report for a transmitter
- NIST summary validation report
- 2 hour, 12 hour or 24 hour daily sensor data summary
- Contact Transmitter open/close
- Monthly equipment QA performance analysis
- Sensor history report
- Comparative graphical history for multiple transmitters
- Database backup history

TempTrak NIST Report				
Session Started:	3/20/2012 10:02:28 AM			
Started By:	Demo, Admin2			
Prover Box ID:	050510020			
Prover Description:	Demo Prover			
Comments:	This is a NIST Validation Session.			
Stopped By:	Demo, Admin2			
Session Stopped:	3/20/2012 10:09:40 AM			
Reference Values	-23.3°C	0.0°C	22.2°C	48.9°C
Drinks Cooler (240171/2)	-23.3 °C (0.10)	0.1 °C (0.20)	22.3 °C (0.10)	48.9 °C (0.00)
Medication Refrigerator (204161/2)	-23.2 °C (0.20)	0.1 °C (0.20)	22.3 °C (0.10)	48.9 °C (0.00)
Execution Time: 4/22/2014 12:08:04 PM Page 1				

TempTrak Equipment QA

Group: OR 1

Sensor	Low Reading	High Reading	Avg Reading	Samples	Samples out of Range	% in Range
Room Pressure (203216/1) Alarm Profile: Positive Pressure Alarm Range: 0.015"H2O to 0.05"H2O	-2"H2O	-2"H2O	-2"H2O	1007	1007	0.00%

Group: OR 2

Sensor	Low Reading	High Reading	Avg Reading	Samples	Samples out of Range	% in Range
Room Pressure (250212/1) Alarm Profile: Positive Pressure Alarm Range: 0.015"H2O to 0.05"H2O	-1.2"H2O	-1.2"H2O	-1.2"H2O	1008	1008	0.00%
Ambient Room Humidity (186142/2) Alarm Profile: OR Humidity Alarm Range: 15 %RH to 50 %RH	27 %RH	38.2 %RH	33.2 %RH	7	0	100.00%
Ambient Room Temperature (186142/1) Alarm Profile: Room Temp Alarm Range: 15.6°C to 26.7°C	21.0°C	22.2°C	21.5°C	7	0	100.00%
Table Overhead Humidity (076212/2) Alarm Profile: OR Humidity Alarm Range: 15 %RH to 50 %RH	26 %RH	38.7 %RH	33.2 %RH	7	0	100.00%
Table Overhead Temp (076212/1) Alarm Profile: Room Temp Alarm Range: 15.6°C to 26.7°C	21.0°C	22.3°C	21.6°C	7	0	100.00%

ALERT NOTIFICATION

Alerts may be configured by time of day and day of week. All corrective actions are tracked by time, user and action. An operator can acknowledge or clear an alarm and must document the corrective action(s) taken to resolve the issue(s). Both the time stamp and identify of the person acknowledging or clearing the alarm is recorded and stored with the alarm event information in the database. When a TempTrak transmitter identifies a monitoring point that has exceeded a preset range, it sends an alert notification via a variety of methods including:

- Computer screen pop-ups
- Emails
- Pagers (digital and SNPP)
- Cellphones (via email)
- Text messages (via email and SMS)
- Contact switches (turn lights or sirens on/off, and can connect to security systems to transfer an alert)
- Scrolling message boards
- Voice notification



Alert Escalation - To make sure no alert goes unanswered, the administrator can configure escalation parameters for transmitters so that once a notification has been sent, if no action is taken against the alert within a specified time frame, a different notification can be delivered (i.e., notify a supervisor). This escalation can be repeated multiple times.

Corrective Actions - Corrective actions must be entered before an alert can be cleared. There is complete tracking of all corrective actions by time, user and action.

ALERT TYPES

Out of Range Alert - Monitoring point has exceeded a preset range for a preset time period.

Low Battery Alert - Triggered when a transmitter detects a battery is becoming low (approximately 2 weeks before battery failure).

Missed Communication - Alerts when a transmitter misses its scheduled contact time.

Sensor	Description	Factory ID	Alert Time	End Time	Reading	Range	Actions
Medication Freezer A	Storage room back wall	241061/2	4/21/2014 4:00:00 PM	4/21/2014 5:00:00 PM	-4.5°C	-28.9°C to -12.2°C	View Notifications, View Notes, Clear / Acknowledge
Medication Refrigerator B	Helmer - Storage room center aisle	209051/1	4/21/2014 3:45:00 PM	4/21/2014 9:45:00 PM	12.0°C	0.6°C to 5.0°C	View Notifications, View Notes, Clear / Acknowledge
Medication Refrigerator	First Floor Nurses Station near MFD	204161/1	4/21/2014 3:30:00 PM	4/21/2014 10:00:00 PM	10.5°C	0.6°C to 5.0°C	View Notifications, View Notes, Clear / Acknowledge
Medication Freezer B	Storage room back wall	182121/2	4/21/2014 3:30:00 PM	4/21/2014 5:00:00 PM	1.5°C	-28.9°C to -12.2°C	View Notifications, View Notes, Clear / Acknowledge
Single Entry Door		070058/1	4/21/2014 11:17:26 AM	4/21/2014 11:17:30 AM	Open	Closed or Open	View Notifications, View Notes, Clear / Acknowledge
Blanket Warmer	Amsco warming cabinet near RM# 2142	058185/2	4/21/2014 11:15:00 AM		24.0°C	37.8°C to 65.6°C	View Notifications, View Notes, Clear / Acknowledge

Wherever you go, **EZLink** allows you to monitor your wireless system 24/7. View sensor readings from your mobile device anywhere, anytime!

Features:

- View groups
- View sensors
- View 24-hour sensor reading history

Compatible With:

Current generation smartphones and tablets that have JavaScript and cookies enabled including iPad, iPhone, Android, Blackberry and Windows phone devices.



VIEW, ACKNOWLEDGE AND CLEAR TEMPTRAK ALARMS 24/7!

SOFTWARE

Minimum Server Software Requirements:

Windows Server 2003 (SP2), Windows Server 2008/2012 (32/64 Bit). Standard 5 User. Microsoft SQL Server 2008 Express R2 with Reporting Services or Microsoft SQL Server 2005/2008/2012 Standard Edition with Reporting Services (32/64 Bit), 1 Processor License. SSRS account. Microsoft Internet Explorer 7.0 (or higher)/Mozilla FireFox/Opera/Google Chrome/Apple Safari, Internet Information Services (IIS), Microsoft XML, Microsoft .NET Framework 2.0, 3.5 FP1, and 4.0, Microsoft Installer 4.5, Microsoft PowerShell 2.0, Microsoft Office and/or Adobe Acrobat Reader (Required for exporting data).

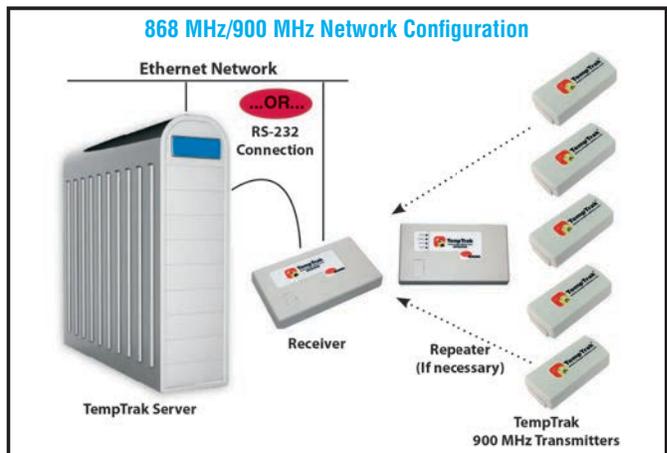
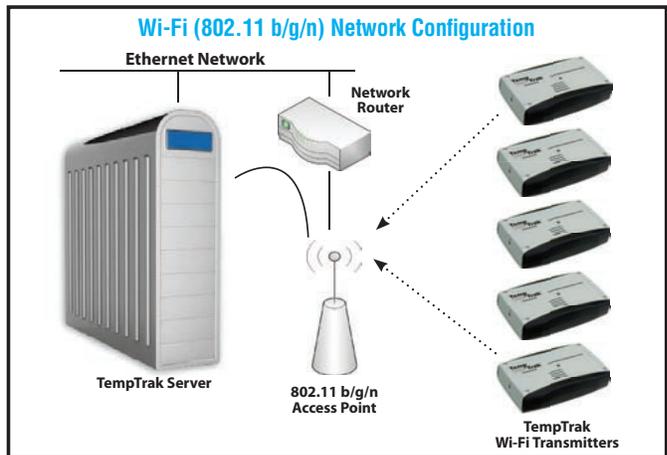
Minimum Server Hardware Requirements:

- Intel / AMD Processor 2.0+ GHz Multi-core processor (Core Duo, Quad Core, Xeon or similar, Athlon II, X2 Dual-Core Phenom or similar)
- 4 GB RAM
- 2 x 160 GB Hard Drives with: ATA-100/SATA 7200 RPM (SCSI 10k/15k RPM)
- Network Card 10/100/1000 MB
- Serial Port or USB Port (or IOGear USB-Serial Adapter)
- 56k V.90 Modem (Required for digital paging)
- SMS Modem (Required for SMS text messages)
- DVD/RW Drive (For software installation, if necessary)

Both Wi-Fi and 900 MHz TempTrak wireless transmitters can communicate within a single installation.

TempTrak is a “browser-based” application allowing any user with a valid log-in ID to access TempTrak from any networked PC.

- Supports “Multiple Databases” per server, to accommodate multiple facilities operating on one server
- Allows the user to store as much data as necessary, with automatic back ups
- Real-time sensor readings
- Graph single or multiple temperatures or transmitters over a defined period of time
- Hourly performance reports
- Monthly and yearly equipment performance reports
- Configure transmitters with alerting rule sets
- Define user views to specific groups of transmitters to control user access
- Configure the timing of temperature recorders
- Audit tracking log - tracking every system log-on and corrective action
- NIST traceable documentation reporting



WI-FI (802.11 B/G/N) HARDWARE

TempTrak Wi-Fi transmitters are high-speed wireless modules supporting standard security protocols including PEAPv0 (PEAP) enterprise security, capable of collecting, storing and transmitting data over a standard 802.11 b/g/n (Wi-Fi-RF Frequency 2.4 to 2.497 GHz) with UDP protocol. Each transmitter passes information to the TempTrak software, which can be located on any Wi-Fi-enabled network. All transmitters are powered by either (2) 3.6V Lithium AA batteries or an external Micro-USB power supply. In the event of a power outage each Wi-Fi transmitter using external power will switch to the onboard battery without interruption, where up to 4,096 samples can be stored.

#11078 Dual External Temperature Transmitter*†

- Supports up to two external temperature probes
- Temperature Range: -200° to 260°C (-328° to 500°F)
- Accuracy: ±0.5°C (±1°F)

#11079 Internal Temperature/Humidity Transmitter*†

- Supports one internal temperature sensor, and one internal relative humidity sensor
- Temperature Range: -17° to 60°C (0° to 140°F)
- Accuracy: ±0.4°C (±0.7°F) at 25°C (77°F)
- Relative Humidity Range: 0 to 95%
- Relative Humidity Accuracy: ±2.0%

#11089 Analog Transmitter †

- Supports two external instruments via terminal blocks
- Connects up to two external instruments that output a 4 to 20 mA, 0 to 5 V, or 0 to 10 V signal so the instruments can be monitored

#11109 Contact Transmitter (Door Open/Close) †

- Reed switch activates with magnet
- Terminal block allows for remote signal activation

#9398 AC Adapter

- 100V-250V AC, 5V/1A

Transmitters can be user configured to sample and transmit data at different intervals and provide localized audible and visual alarming. Configuration changes can be made by connecting directly to the transmitter or performing an over-the-air update using TempTrak's Wi-Fi configuration utility.

* *NIST Traceable Calibration Available*

† *Made in USA*



Wi-Fi Transmitter



#9398
AC Adapter (Optional)

868 AND 900 MHZ HARDWARE

Cooper-Atkins' 868 and 900 MHz TempTrak transmitters operate in their corresponding frequency-hopping spread spectrum, reaching up to 762 meters (2,500 feet) open-field range* and are battery operated.

Contact Transmitter (Door Open/Close) †

- #10100-DT - 900 MHz, #10100-EU - 868 MHz
- Magnetic Reed switch
- Terminal block allows for remote signal activation

Internal Temperature/Humidity Transmitter** †

- #10071 - 900 MHz, #10070-EU - 868 MHz
- Temperature Range: -20° to 60°C (-4° to 140°F)
- Relative Humidity Range: 0% to 90%

Dual Internal & External Temperature Transmitter** †

- #10080-DT - 900 MHz, #10080-EU - 868 MHz
- Internal Temperature Range: -20° to 60°C (-4° to 140°F)
- External Temperature Range: -200° to 260°C (-328° to 500°F)

Analog Transmitter †

- #10086 - 900 MHz, #10086-EU - 868 MHz
- Supports two external instruments via terminal blocks
- Connects up to two external instruments that output a 4 to 20 mA, 0 to 5 V, or 0 to 10 V signal so the instruments can be monitored

Receiver and Intelli-Base Buffer †

- Receiver: #10000-US - 900 MHz, #10000-DT - 868 MHz
- Intelli-Base Buffer: #10000-PDT - 900 MHz & 868 MHz
- Attaches to the network either via the LAN network port or serially direct to a single station PC
- In the event of a network outage, the buffer stores all temperature readings in memory
- Storage capacity of an Intelli-Base Buffer with 400 transmitters, communicating every 15 minutes, will have data stored for 400 hours (16 days)

Repeater (Signal Booster) †

- #10050 - 900 MHz, #10050-DT - 868 MHz
- A repeater can boost an unlimited number of transmitters
- Transmission range up to 4 miles open field range*
- In the event of a power outage each TempTrak Repeater has an on board battery backup with up to 24 hours of life

* *Under Lab Conditions*

** *NIST Traceable Calibration Available*

† *Made in USA*



900 MHz
Transmitter



Repeater



Receiver



Intelli-Base Buffer

PROBES

All TempTrak probes function with 868 MHz/900 MHz or Wi-Fi wireless transmitters. There are several types of TempTrak probes available, each designed with unique functionality, from temperature and humidity monitoring to CO₂ and pressure differential. All TempTrak probes come with a 1-year warranty and a select number are available with NIST traceability.

#2033 Air Probe*†

- Temperature Range: -32 to 82°C (-25° to 180°F)
- Cable Length: 1.8 m (6')



#2033
Air Probe

#10101 Leak Detector Probe

- Temperature Range: -20° to 80°C (-4° to 176°F)
- Cable Length: 1.2 m (4')



#10101
Leak Detector Probe

#10112 Glycol Product Simulator Probe*†

- Temperature Range: -32° to 82°C (-25° to 180°F)
- Cable Length: 1.8 m (6')



#10112
Glycol Product Simulator Probe

#10113 Solid Simulator Probe*†

- Temperature Range: -32° to 82°C (-25° to 180°F)
- Cable Length: 1.8 m (6')



#10113
Solid Simulator Probe

#10114 Solid Vial Simulator Probe*†

- Temperature Range: -32° to 82°C (-25° to 180°F)
- Cable Length: 1.8 m (6')



#10114
Solid Vial Simulator Probe

#10134 Lab/Cryogenic RTD Probe*†

- Temperature Range: -200° to 260°C (-328° to 500°F)
- Cable Length: 3 m (10') and 9 m (15') (#10134-15)
- Flexible, stainless steel wire cover



#10134
Lab/Cryogenic RTD Probe

#10135 Low Temperature Probe (not shown) †

- Temperature Range: -60° to 150°C (-76° to 302°F)
- Cable length: 1.5 m (5')

#10137 High Temperature/Hot Probe (not shown)

- Temperature Range: -60° to 150°C (-75° to 302°F)
- Cable length: 3 m (10')

#10140 Dishwasher Probe*†

- Temperature Range: -60° to 150°C (-75° to 302°F)
- Cable length: 3 m (10')



#10140
Dishwasher Probe

#10184 Lab/Cryogenic Product Simulator Sleeve

- Dimensions: 64 mm x 54 mm x 51 mm (2.5" x 2.125" x 2")



#10184
Lab/Cryogenic
Product Simulator Sleeve

* NIST Traceable Calibration Available

† Made in USA

MONITORS

#10103 PowerTrak™ Power Detection Device

- Operating Environment: 32° to 122°F (0° to 50°C)
- Power Source: 12v 1.0A AC with power adapter

#10205 CO₂ Monitor †

- Operating Environment: -4° to 140°F (-20° to 60°C)
- Humidity: 0 to 100% RH

#10105/10106 Pressure Differential Monitor (not shown)

- Operating Environment: 32° to 131°F (0° to 55°C), 10% to 90% RH
- Resolution: 0.1 in. w.c.
- Measurement Range: ±2 in. w.c.



#10103
PowerTrak™ Power Detection
Device



#10107
Air Velocity/Temperature
Monitor

#10107 Air Velocity/Temperature Monitor

- Operating Environment: 32° to 122°F (0° to 50°C)
- Accuracy: ±0.5% of reading
- Measurement Range: 0 to 6000 fpm

#10108-01/10108-04 High Resolution Pressure Differential Monitor

- Operating Environment: 32° to 120°F (0° to 50°C), 5% to 95% RH
- Resolution: 0.001 in (0.02 mm of w.c.)
- Measurement Range:
 - 10108-01: -0.1 to 0.1 in. w.c.
 - 10108-04: -0.5 to 0.5 in. w.c.



#10108-01/#10108-04
HR Pressure Differential Monitor



#10205
CO₂ Monitor

† Made in USA



**For additional information on features,
system requirements or on-site visits please
contact your Cooper-Atkins Representative**



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