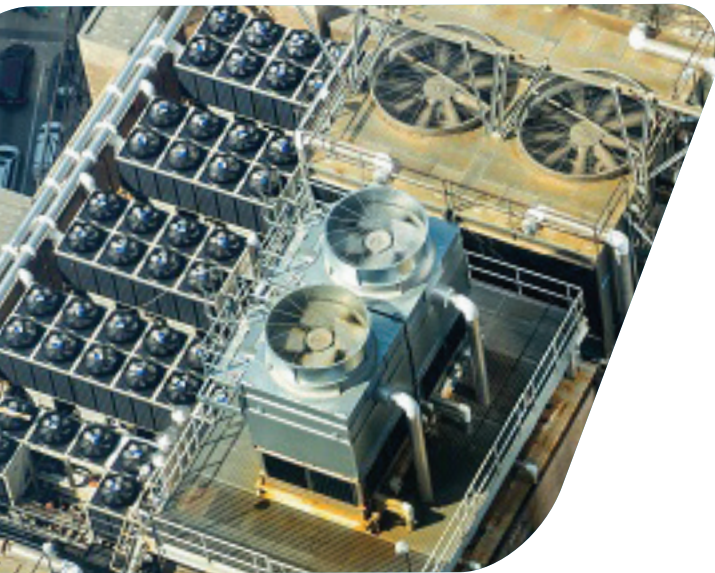


## HVAC PERFORMANCE TESTING & WIRELESS BUILDING MONITORING

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T&D PRODUCTS MONITOR TEMPERATURE, HUMIDITY, AND MORE



Do you need to validate or improve your energy efficiency systems with HVAC performance testing in an office complex? T&D wireless data loggers, which automatically monitor several environmental values, are ideal for buildings with multiple suites and tenants since they're easy to use with an impressive wireless range.

### WIRELESS TEMPERATURE & HUMIDITY DATA LOGGERS

[T&D data loggers](#) utilize wireless data loggers and sensors which can locally or remotely access office building data from HVAC systems, allow you to view gas/water/energy usage, or lighting and occupancy to track individual suite performance and tenant usage.

It's easy to install T&D wireless dataloggers in individual office suites to monitor temperature and humidity throughout rooms and in ductwork to improve tenant and customer comfort. This is also an affordable way to ensure peak performance of HVAC operation. Ductwork temperature sensors, air flow meters, and pressure sensors can eliminate inefficiencies such as poor filter performance and detect heating/cooling element issues before they become critical.

Log and trend energy usage data room-by-room or for an entire tenant system with T&D's [RTR-500 System](#) and CT Current clamps. Property owners can monitor main or sub-power lines to evaluate power usage overall or for machines/systems within

office areas.

## T&D WIRELESS DATA LOGGERS FOR:

- Room/Ambient Temperature and Humidity
- Duct Temperature w/ thermistor probe
- Refrigeration Temperature
- Energy Usage w/ Current Clamps
- Air Flow for filter performance
- Differential Pressure Sensor for filter performance
- Water Leak Detection
- Light
- Occupancy



## REMOTE MEASUREMENT & IMMEDIATE ALARM NOTIFICATION

You have remote access from any location to your system data, sensor measurements and alarm configurations with T&D's [WebStorage Service](#), no cost cloud service. View real-time and logged sensor data from smartphone and tablets.

This optional cloud service also provides individual sensor alarm capabilities and notification to multiple email addresses and/or text messages via SMS for monitoring critical conditions.

## SIMPLE WIRELESS INSTALLATION

T&D battery-operated and extended wireless range data loggers can be placed anywhere throughout the office suite. With these low power sensors, there is no need for AC power or any additional wiring - just place and configure the datalogger! The sensors operate on a ½ AA cell lithium battery which lasts 7-9 months under normal operation and are easily replaced in the field.

The [RTR-500DC data collector](#) aggregates the data from the wireless data loggers and is available in Ethernet, WiFi or cellular connectivity options. The data collector manages the 900 MHz wireless communication with the dataloggers and can send alert notifications directly. RTR-500 data collectors are easily configured when attached to your network infrastructure or directly to a PC/ Laptop. A single data collector provides coverage for a 30,000 Sq ft. facility and can communicate with up to 100 RTR data loggers. Add additional repeater modules are available to increase the coverage area or to manage multiple buildings in a single system.

## REAL-TIME DATA RECORDING SOFTWARE COMPATIBLE WITH ANY SMART DEVICE

T&D RTR-500 system software is included at no charge with a wireless data logging and acquisition system. T&D software provides both local and cloud-based access to your system data and sensors on PCs and all mobile devices--tablets, smartphones, and laptops. Chart, log and monitor all individual sensor data or perform a quick check of real-time sensor measurements with a configurable display.

For a completely local system/ setup or if internet access is unavailable, all software can be used on a USB connection to the data collector. For a standalone system, simply access the software locally on the connected data collector and run the software with all the online version's features.

## HVAC SYSTEMS/ENERGY USAGE

Track each HVAC system's performance data and keep your systems operating at their peak performance and energy efficiency. Use logged historic data to eliminate inefficiencies such as poor airflow, occupancy, and heating/cooling element issues.

Monitor current (Amps) on main and sub-power lines throughout your facility to evaluate power usage overall or by systems and machines. Utilizing external clamp sensors coupled with an [RTR-505-V data logger](#), energy use, and efficiency can be logged and monitored over time on any AC power circuit.

## TENANT/EMPLOYEE COMFORT

Maintain a comfortable building and/or working environment across multiple zones or rooms with T&D RTR-50x wireless data loggers. Ensure comfort in small and large facilities with our scalable systems and ease of installing additional wireless sensors.

Monitor Temperature and Humidity settings in lobbies and commonly used areas to ensure tenant and employee comfort throughout the day and to compensate for seasonal changes. You can use historical data trends to adjust airflow from central systems to control the environment. You can also use humidity sensors to prevent mold growth and ensure a healthy building environment with alarm capability and notification of extreme conditions.

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For more information on HVAC performance testing with a [T&D Wireless Data Logger System](#), or to find the ideal solution for your application-specific needs, contact a CAS DataLogger Application Specialist at **(800) 956-4437** or [www.DataLoggerInc.com](http://www.DataLoggerInc.com).