



# OAKTON®

## WIRELESS TEMPERATURE/ HUMIDITY DATALOGGING SYSTEM



MONITOR REAL-TIME  
CONDITIONS IN UP TO  
200 REMOTE LOCATIONS

# Oakton® Wireless Temperature/Humidity Datalogging System

Critical temperature and humidity monitoring in remote locations has never been more accurate or affordable than with this economical and easy-to-use wireless datalogging system. It operates as a component system comprised of dataloggers, cradles/transmitters, receiver, and software, and can be expanded as required with component add-ons. In the lab or in the field, these compact, rugged dataloggers will provide reliable measurements under the most adverse conditions.

## APPLICATIONS

- Food storage and transportation
- Laboratory and cleanrooms
- Industrial plants and warehouses



## FEATURES

- Remotely monitor up to 200 dataloggers from one computer to ensure full coverage
- View and record real-time data, ensuring precise process control
- Meet regulatory requirements with date-and-time stamped readings
- User-friendly software saves time when configuring, viewing, or analyzing datalogger measurement parameters
- User-selectable sample rates of from once per 10 seconds to once every two hours allows customization of data collection
- Extended backup memory storage in each datalogger ensures data will not be lost in case of system failure
- Innovative datalogger design allows the use of optional external sensors for current, voltage, temperature, and more

**Collect reliable, accurate  
data from remote  
locations up to 400 ft  
(125 m) away**



# Oakton® Wireless Temperature/Humidity Datalogging System

## EASILY MONITOR REMOTE LOCATIONS FROM A SINGLE PC

The wireless datalogging system provides seamless data integration for multiple data collection point applications, helping you streamline your data collection process. This system incorporates multiple TempLog and/or RH/TempLog dataloggers, cradles (each tagged with individual ID number), wireless receiver, and MicroLab Plus™ software.

## INTUITIVE SOFTWARE MAKES SETUP AND OPERATION SIMPLE

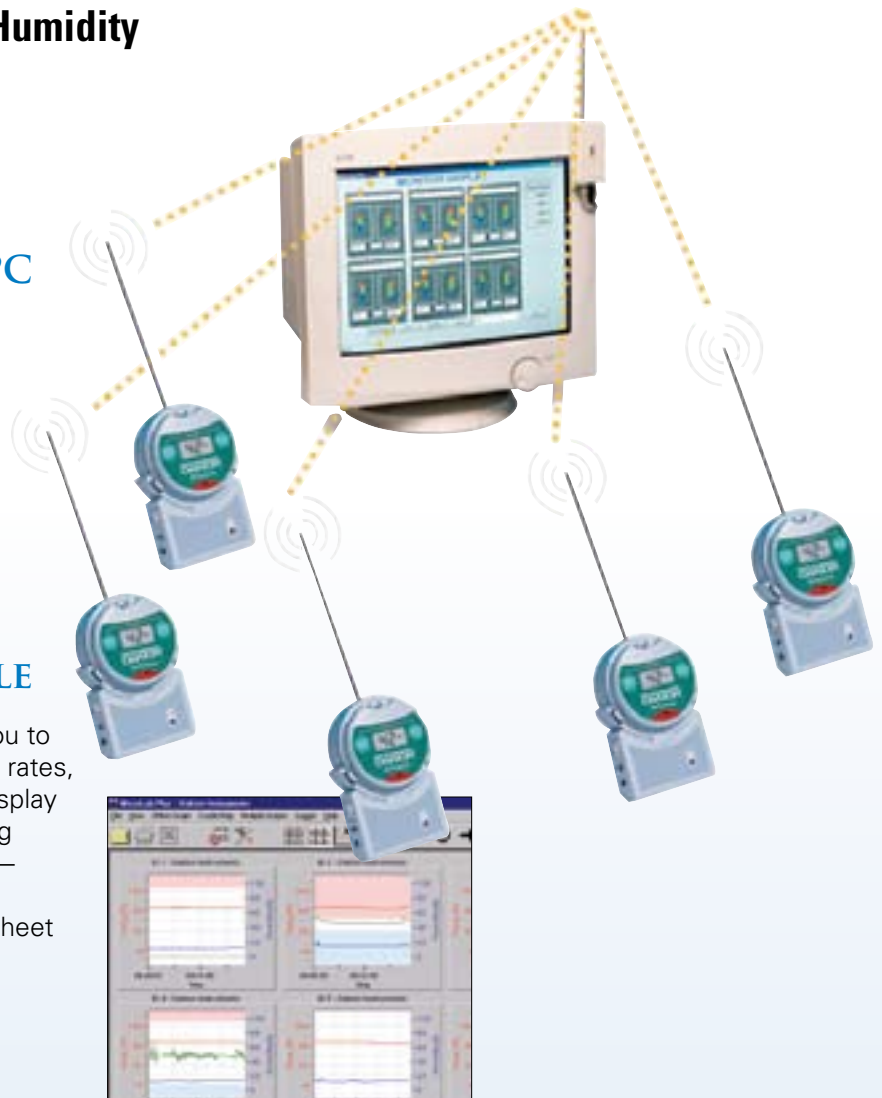
The powerful MicroLab Plus software allows you to set up datalogger IDs, alarm levels, and sample rates, making data collection easy. The color-coded display shows temperature and humidity readings along with low-battery indication for each datalogger—view your data in line graph, bar graph, or table formats, and export data into an Excel® spreadsheet for easy record keeping. Receive notification of critical conditions via computer display, e-mail, and/or text message.

## EXTERNAL SENSOR OPTIONS PROVIDE ADDED FLEXIBILITY

Optional external sensors can be plugged into a port located on each datalogger cradle, allowing you to easily customize your datalogging requirements.

## RUGGED DESIGN IS IDEAL FOR LAB AND INDUSTRIAL APPLICATIONS

The lightweight, durable datalogger housing is ideal for most lab and industrial applications. RH/TempLog model 35710-10 provides dustproof protection and has an IP60-rated housing. TempLog model 35710-00 is designed with a water-resistant and dustproof IP65-rated housing for your most challenging environments.



**For more information on our wireless dataloggers, click link below**

## In the U.S.

625 E. Bunker Court  
Vernon Hills, IL 60061  
Call toll-free 800-323-4340  
Phone: 847-549-7600  
Fax: 847-247-2929  
[www.coleparmer.com](http://www.coleparmer.com)

## In Canada

Call toll-free 800-363-5900  
Phone: 514-355-6100  
Fax: 514-355-7119  
[www.coleparmer.ca](http://www.coleparmer.ca)

## In India

Phone: 91-22-6716-2222  
Fax: 91-22-6716-2211  
[www.coleparmer.in](http://www.coleparmer.in)

## In the United Kingdom

Free phone: 0500-345-300  
Phone: 020-8574-7556  
Fax: 020-8574-7543  
[www.coleparmer.co.uk](http://www.coleparmer.co.uk)

## International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.



**FREE TECHNICAL APPLICATIONS ASSISTANCE!**

## PERFORMANCE SPECIFICATIONS

- RF transmission is EMC conformant to EN 301 489-3
- Requires 300 MHz or higher, with 32 MB RAM (64 MB recommended) computer hardware

### Memory

16,000 data points

### Sampling rate

Selectable via software from once per 10 seconds to two hours

### Power

3.6 V lithium battery (included)  
Dimensions: 1"D x 2¾" dia

### Output

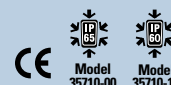
**Infrared:** IRDA (infrared data assembly) interface to printer or computer with IRDA port

**RS-232:** cable connection to your computer (order cable/software package separately)

### Kit includes

Datalogger, software, and cable

## OAKTON® WIRELESS INFRARED DATALOGGERS



Datalogger	Datalogger kit	Description	Parameters	No. of channels	Range	Resolution	Accuracy
Catalog number							
<a href="#">ML-35710-00</a>	<a href="#">ML-35710-60</a>	TempLog	Temperature	One internal, one external	-22 to 122°F (-30 to 50°C)	1°F (0.5°C)	±1.1°F (±0.6°C)
<a href="#">ML-35710-10</a>	<a href="#">ML-35710-62</a>	RH/TempLog	Humidity	One internal, one external	0 to 100% RH*	1% RH	±3% RH from 0 to 90% RH; ±6% RH from 90 to 100% RH

\*Noncondensing environment

## REQUIRED ACCESSORIES

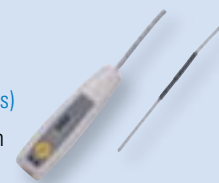
**ML-35710-20 Datalogger Cradle.** Serves as a mount and wireless transmitter for the dataloggers; one cradle is required for each datalogger. Each cradle can send a signal up to 400 ft (125 m) and is tagged with an ID number. Includes an RH/TempLog datalogger, one 3.6 V lithium battery, and 110 VAC adapter.

**ML-35710-35 Wireless (RF) Receiver and Software.** Wireless receiver connects to your monitoring station PC with a range of 400 ft (125 m) outdoors, or 98 ft (30 m) indoors. MicroLab Plus™ software serves as a color-coded interface for up to 200 dataloggers, six on one screen. Includes receiver, MicroLab Plus software, serial communications cable, one 3.6 V lithium battery, and 110 VAC adapter.

## OPTIONAL EXTERNAL SENSORS

(for both TempLog and RH/TempLog dataloggers)

Log temperature, mA, voltage, pH, or activation of a contact closure. With 8.2-ft cable.



Catalog number	Description
<a href="#">ML-35710-70</a>	Temperature probe, -60 to 212°F; 3¼" L x ¼" dia; 6-ft cable
<a href="#">ML-35710-72</a>	Current sensor: 0 to 20 mA
<a href="#">ML-35710-74</a>	Voltage sensor: 0 to 10 V
<a href="#">ML-35710-76</a>	Contact closure sensor: open/close
<a href="#">ML-35710-78</a>	pH adapter, 0 to 14 pH. pH electrode required