



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

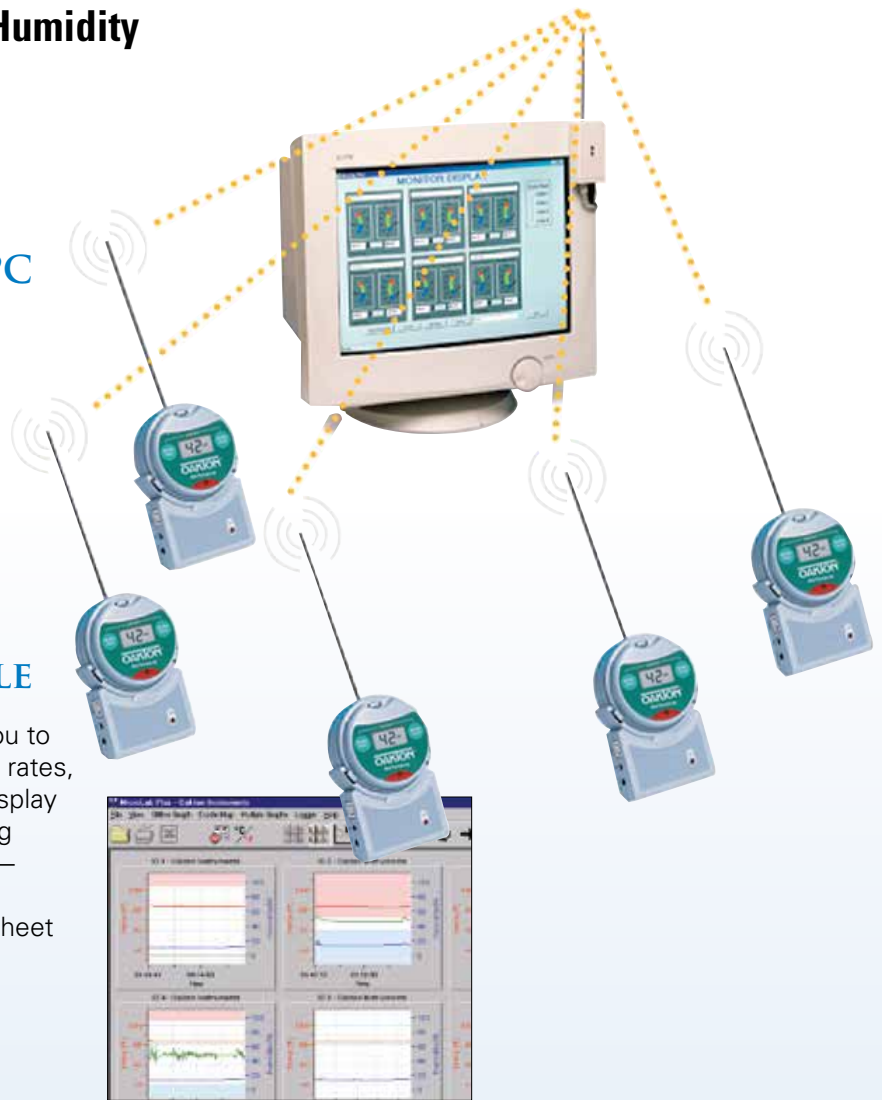
The powerful MicroLab Plus software allows you to set up datalogger IDs, alarm levels, and sample rates, making data collection easy. The color-coded display shows temperature and humidity readings along with low-battery indication for each datalogger—view your data in line graph, bar graph, or table 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.

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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 2³/₄" 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							
ML-35710-00	ML-35710-60	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)
ML-35710-10	ML-35710-62	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
ML-35710-70	Temperature probe, -60 to 212°F; 3/4"L x 1/4" dia; 6-ft cable
ML-35710-72	Current sensor: 0 to 20 mA
ML-35710-74	Voltage sensor: 0 to 10 V
ML-35710-76	Contact closure sensor: open/close
ML-35710-78	pH adapter, 0 to 14 pH. pH electrode required