

TempLog & RH/TempLog Dataloggers

Automatically log temperature and humidity readings for days, weeks, even months, then download data to your computer or printer!

Large LCD display

▼ Lets you immediately view current conditions; displays min/max values by day(s) or hour(s)

Selectable sampling rate

▼ Sample from once per 10 seconds to once per two hours (software required)

External sensor input

▼ For a temperature, contact, voltage, pH, or current sensor

These loggers store up to 16,000 measurements, allowing you to track important temperature, humidity, and other process data for months. Loggers are ideal for shipping, storage, laboratories, factories, refrigerators, freezers, incubators, desiccators, greenhouses, and more. The two-digit LCD shows current conditions—minimum and maximum readings are available at the touch of a button. Display flashes if set limits are passed.

Models 35710-60 and -00 record temperature and feature a water-resistant and dustproof IP65-rated housing. Models 35710-62 and -10 record temperature and humidity and feature a dustproof IP60-rated housing.

Optional external sensors (sold below) allow an additional parameter to be recorded. Connect current and voltage sensors with a transmitter to log other processes such as pressure, flow, pH, and level.

Software lets you set sampling rate, create graphs, and customize logging parameters. Software/cable package is required for use with additional dataloggers (sold separately below).

Kits include: one datalogger, CD-ROM software, and cable.



35710-00



35710-10



35710-50 Software

Specifications & Ordering Information

Memory: 16,000 data points

Sampling rate: selectable via software from once per 10 seconds to two hours

Display: 2-digit LCD; 3/8" H

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)

Power: 3.6 V lithium battery (included)

Dimensions: 1"D x 2 3/4" dia



35710-00, 60



35710-10, 62



Parameters	No. of channels	Range	Resolution	Accuracy	Datalogger kits	Dataloggers only
					Catalog number	Catalog number
Temperature	One internal, one external	-22 to 122°F (-30 to 50°C)	1°F (0.5°C)	±1.1°F (±0.6°C)	WD-35710-60	WD-35710-00
Temperature Humidity	One internal, one external	-22 to 122°F (-30 to 50°C) 0 to 100% RH	1°F (0.5°C) 1% RH	±1.1°F (±0.6°C) ±3% RH from 0 to 90% RH; ±6% RH from 90 to 100% RH	WD-35710-62	WD-35710-10

External Sensors can be plugged into a port located on each logger. Select from temperature, current, voltage, contact, or pH sensors. Each can be used to log and display additional external readings on your computer.

Temperature sensor is made of stainless steel and can be immersed in liquids or soil or used to measure the temperature of air. Current, voltage, and contact sensors can be scaled to match range and units of your transmitter or instrument output—use to log pH, conductivity, pressure, and more! Each sensor includes an 8.2-ft (2.5-m) cable.

Catalog number	Description
WD-35710-70	Temperature probe, -60 to 212°F; 3/4" L x 1/4" dia; 6-ft cable
WD-35710-72	Current sensor, 0 to 20 mA
WD-35710-74	Voltage sensor, 0 to 10 V
WD-35710-76	Contact closure sensor, open/close
WD-35710-78	pH adapter, 0 to 14 pH. pH electrode with BNC required

Accessories

WD-35710-50 Microlab software and 8-ft cable, included with kits.

Windows® 95/98/2000NT/XP compatible

WD-35710-65 Replacement datalogger battery, 3.6 V



To order a NIST-traceable calibration certificate with your datalogger, see pages 30-31.

LoggerPlus Wireless Transmitting Systems

Remote real-time monitoring of up to 200 dataloggers on one computer

Computer can receive data from loggers up to 400 feet (120 meters) away!

LoggerPlus cradle

▼ Transforms your logger into a wireless (RF) transmitter

LoggerPlus receiver

▼ A small RF device that connects to your PC to receive wireless data from your loggers

Required System Components

- A** Datalogger (up to 200 on one computer)
- B** Cradle (up to 200 on one computer)
- C** Wireless receiver and software

A
35710-10



B
Cradle
35710-20

Datalogger shown in cradle; use cradle as shown or wall mount.



A
35710-00

C
Receiver
35710-25



Send data from up to 200 loggers to one computer!

A TempLog and RH/TempLog Dataloggers

These loggers store up to 16,000 measurements at selectable intervals. The LCD displays current conditions. Choose from measuring temperature, temperature and humidity, or one of many processes by choosing an optional external sensor (see below right).

Note: Sensors must be used with datalogger cradle ("B" below) and AC adapter in order for data to be transmitted to computer monitoring station.

Specifications & Ordering Information for Dataloggers

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 2 3/4" dia

See page 28 for further specifications.

Catalog number	Description
WD-35710-00	TempLog datalogger
WD-35710-10	RH/TempLog datalogger

B Datalogger Cradle

The datalogger cradle serves as a mount and wireless transmitter for the dataloggers. Each cradle can send a signal up to 400 ft (125 m) outdoors, or 125 ft (40 m) indoors and is tagged with an ID number. Cradle transmits data at user-set intervals in different time slots according to the ID numbers in order to prevent data collision between two or more cradles. Cradle features audible alarm and serial communication. **Note:** One cradle is required for each datalogger used.

What's included: one 3.6 V lithium battery and 110 VAC adapter. Each cradle has one port for optional external sensor.

Catalog number	Description
WD-35710-20	Datalogger cradle

C Wireless (RF) Receiver and Software

Wireless receiver connects to monitoring station PC with range of 400 ft (125 m) outdoors, or 125 ft (40 m) indoors. MicroLab Plus™ software serves as a color-coded interface showing the status of up to 200 loggers total, six on one screen. Use it to store data or set up logger ID, alarm levels, or sampling rate (once per minute to once per hour). Display temperature, humidity, and low battery—easy-to-read graphics let you know if any logger is in alarm condition or not.

What's included: MicroLab Plus software, serial communications cable (purchase optional USB communication cable separately below), and one 110 VAC adapter.

Catalog number	Description
WD-35710-35	Wireless (RF) receiver and software

Accessories

WD-35710-30 Antenna helps to strengthen reception

WD-35710-69 USB communication cable

WD-35710-63 Replacement cradle AC adapter, 110 VAC

WD-35710-64 Cradle AC adapter, 220 VAC

WD-35710-67 Replacement serial communications cable

WD-35710-80 Replacement receiver AC adapter, 110 VAC

WD-35710-61 Receiver AC adapter, 220 VAC

External Sensors log temperature, mA, voltage, pH, or activation of a contact closure. See page 28 for further specifications.

Catalog number	Description
WD-35710-70	Temperature probe, -60 to 212°F; 3/4"L x 1/4" dia; 6-ft cable
WD-35710-72	Current sensor, 0 to 20 mA
WD-35710-74	Voltage sensor, 0 to 10 V
WD-35710-76	Contact closure sensor, open/close
WD-35710-78	pH adapter, 0 to 14 pH. pH electrode with BNC required