

# DATALOGGERS

## DataWatch™ Temperature Loggers Simple, Cost-Efficient Monitoring Solutions

DataWatch™ represents the most complete package of datalogger products available anywhere. DataWatch™ models match almost any application in food service, food processing, pharmaceuticals or environmental monitoring.



Offering loggers from simple internal sensors with waterproof casings to sophisticated stainless steel configurations for high temperature monitoring applications, DataWatch™ provides a monitoring system centered around a simple to operate yet state-of-art software. All DataWatch™ loggers utilize one software and interface, so the user can build a data collecting system based on several DataWatch™ logger types and input analyze all data through the same software. No need to learn several software types depending upon your application...the DataWatch™ logger of your choice simply plugs into the universal interface and within seconds you are downloading critical data.

Designed for long service life and easy maintenance, the DataWatch™ logger line is your single source to meet all your data collecting needs.



### Features

- O-Ring Sealed
- User Battery Replacement
- Gold Plated Probe Plug Hardware
- One Page/One Click Software
- CFR21 Part 11 Compliant
- ISO 9002
- CE Rated
- Calibration Certificate Available
- Wide Range of Optional Sensors
- Validated for Program Use
- Wide Accessory Range
- Specialized Types
- Audible Logging and Startup Tones
- Remote Magnetic Start
- Platinum Download Contacts
- Universal Download Cradle
- Attachment Eye
- Rugged Construction

### Benefits

- Flexibility and Adapability
- Proven Performance
- Superior Service and Reliability
- Long Service Life = Lower Cost
- Ease of Use = Quick Startup

### Application Specialties

- High Temperature Models
- Egg Logger
- Sterilization Model
- Autoclave Model
- Thermocouple
- External Probes
- Display Options
- Reader/Printer



Sterilization Model

## DataWatch™ Internal Sensor Temperature Logger

The DataWatch™ Internal Sensor Temperature Logger is a single-sensor unit housed in a waterproof casing. The standard internal sensor logger, model code DW-TS-D-2, provides a reading range of -40°F to +158°F (-40°C to +70°C) and 2000 secure data readings - suitable for most temperature monitoring usages. Other options available with the DataWatch Internal Sensor Logger are:

- 16,000 data readings (model code: DW-IN-D-16)
- LCD display (model code: DW-IN-D-16-L)
- High temperature case design capable of extending the reading range to +257°F. (model code: DT-IN-V-16)

## DataWatch™ Internal with External Sensor Temperature Logger

The DataWatch Internal with External Sensor Temperature Logger contains one 'built-in' sensor and one plug-in sensor with a stainless steel probe on three feet (one meter) cable length. The standard internal/external sensor logger, model code DW-1E-D-16, provides a reading range for both the internal/external sensors of -40°F to +158°F (-40°C to +70°C) and 16,000 secure data readings. Other options available with the DataWatch™ internal/External Sensor Logger are:

- An LCD display (model code: DW-1E-D-16-L)
- A low-temperature external sensor, capable of monitoring applications down to -148°F/-100°C (model code: DW-1E-DN-16).
- A high-temperature external sensor, capable of monitoring applications up to +212°F/100°C (model code: DW-1E-DC-16).
- A special case design allowing for more extreme high temperature monitoring applications up to +302°F/+150°C (model code DT-1E-VZ-16).

## DataWatch™ Two External Sensor Temperature Logger

The DataWatch™ Two External Sensor Temperature Logger contains two plug-in sensors each with a stainless steel probe on three feet (one meter) cable length. The standard two external sensor logger, model code DW-2E-D-16, provides a reading range for both the internal/external sensors of -40°F to +158°F (-40°C to +70°C) and 16,000 secure data readings. Other options available with the DataWatch™ two external sensor logger are:

- LCD display (model code: DW-2E-D-16-L)
- High-temperature external sensors, capable of monitoring applications up to +212°F/+100°C (model code DW-2E-C-16).
- Extended range high-temperature unit with the external sensor capable of monitoring applications up to +302°F/+150°C (model code: DW-2E-Z-16).

## DataWatch™ Temperature and Humidity Logger

The DataWatch Temperature and Humidity Logger utilizes its reliable and efficient temperature sensor and combines it with a high-quality humidity sensor. The Temperature and Humidity model, model code DW-HS-B-16, provides a temperature reading range of -4°F to +140°F (-20°C to +60°C), a humidity recording range from 0-100%RH and 16,000 secure data readings. Other options available with the DataWatch Temperature and Humidity Logger are:

- A protective filter to prevent ingress of dust/debris into the sensing element (model code: DW-DFR)

## DataWatch™ Speciality Loggers

The DataWatch product range includes several specialized logger types for most every type of temperature monitoring application. These specialized loggers are designed to operate with the DataWatch software and interface package, allowing the user to utilize this easy-to-follow software for all data logger monitoring requirements. Some examples of specialized logger types that are available are:

- A line of stainless steel cased loggers with or without stub probes with recording ranges up to +257°F/+150°C (model codes vary depending on style requested).
- A unit with a K-type thermocouple thermometer input to allow for the utilization of a wide variety of probe styles and an external sensor range of up to +932°F/+500°C. (model code: DW-OE-K5-16).
- A high-temperature waterproof logger rated to +302°F/150°F at 5 bar for 30 minutes, perfect for monitoring autoclave processes (model code: HJ-AC-ZY-2-SI).
- An egg-shaped logger for side-by-side tracking of shipments of eggs.
- A food pasteurization logger with encapsulated internal and external probes.

## DataWatch™ Peripheral Kit (magnet/cradle/software)

Our DataWatch™ peripheral kit allows the user to program, activate and download DataWatch™ loggers. The software is a single screen format that is extremely simple to use and provides the user the ability to program and use the loggers with a minimal/non-existent learning curve. The software has been tested on multiple platforms (Windows® 95, 98, 2000, XP, ME, NT).

An interface cradle is used to download the secure data found in the DataWatch™ unit. When the DataWatch™ unit is nested in the cradle, software commands are used to activate the download process. The cradle is a convenient way to create a contact between the two contact points on the underside of the DataWatch™ unit and the download cable and serves to assist the process of transferring information from the logger unit to the PC computer.

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