

# TEMPERATURE LOGGERS

## Single Probe LCD Display Logger Model DW-1E-DC-16-L

The DataWatch™ DW-1E-DC-16-L is a temperature logger with one internal and one external sensor and an integral LCD Display that sequentially indicates the internal and probe temperatures and the status of alarm settings. With 16,000 data points memory, the C-range model is identical to our standard model, except that the probe cable is food-safe Teflon® coated and covers the food-relevant range of -4°F to +212°F (-20°C to +100°C). This range is important for food processing and related applications.

Based on over ten years of design experience and customer feedback, this datalogger technology and its state-of-art software lets you begin collecting data input almost immediately with simple-to-follow software. Easy to operate, yet packed with powerful features such as activation wake-up, memory that is retained even if battery power is lost, a simple-to-replace battery, one-button reprogramming and flexible timing intervals. The DW-1E-DC-16-L comes standard with one rugged stainless steel piercing probes mounted at the end of 3 feet (1 meter) of cable length.

**Inquire about Global Sensors calibration maintenance programs. We calibrate what we sell.**

Global Sensors, LLC  
79 McAdenville Road  
Belmont, NC 28012

866.402-8282 (toll free)  
704.825.8282  
704.825.0191 (FAX)  
[www.global-sensors.com](http://www.global-sensors.com)



### Specifications

Temperature Measuring Range  
-4°F to +212°F (-20°C to +100°C)

Accuracy  
±0.5°F (±0.3°C)

Response Time  
T<sub>90</sub> of 4 minutes (external) and 12 minutes (internal) in moving air

Average Resolution  
+0.5°F (+0.3°C)

Timing Resolution  
Real time clock - accuracy better than 40 seconds/month

Memory  
16,000 samples

Sampling Frequency  
5 seconds to every 255 minutes

Warranty  
One Year

External Sensor  
Rugged stainless steel probe measuring 3.14" (80mm) with 3 feet (1 meter) cable length standard (additional cable length available at an additional charge)

Display  
LCD panel shows temperature at each probe in °F or °C and the status of pre-programmed alarm settings.

Battery  
High quality user-replaceable lithium photo cell provides unattended operation for over a year

Software  
Simple 'one-click' download of information and a software that easily allows you to reset the logger for another usage; Activation at specified "wake-up" time or by immediate magnet-swipe

Contact  
Deep gold plated for reliability and data integrity



C-range external sensors are coded with a black band at the junction point of the gold plated plug and the teflon