

Thermo Scientific Dataloggers

Accuracy, reliability and traceability



Highly accurate and reliable

High-accuracy data logger has a temperature range of -58°F to 158°F (-50 to 70°C) and resolution of 0.01 and maintains an accuracy of $\pm 0.25^{\circ}\text{C}$ across the entire temperature range. Ideal for monitoring temperatures in refrigerators, freezers, water baths, heating blocks, and incubators.

Bottle probe features

Bottle probe is sealed in a miniature bottle filled with nontoxic glycol. Solution is GRAS (generally recognized as safe) by the FDA (Food and Drug Administration). Eliminates concerns about incidental contact with food or drinking water. Temperature-buffered bottle sensor eliminates rapid changes when refrigerator door is opened. Ideal for use in monitoring storage conditions for vaccines or other important samples.

Traceability to NIST for accuracy

An individually-numbered Traceable[®] Certificate is provided which assures accuracy from an ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Hi/Lo alarms and time/date stamps

Alarm tracking feature stores in memory each alarm event detailing when the alarm state occurred, as well as when the unit returned back to within range. Alarm state indicators include visual LEDs, audio alerts, and flashing LCD segments. Data for up to 10 different alarm events can be retrieved with the most current event viewable on the display.

USB data transferring

Data logger allows recorded data (CSV file) to be transferred from Data logger to PC or Mac using a USB flash drive (not included). No software is needed for computer interface. Each datalogger has a unique ID allowing multiple units to be used in the same location.

Datalogging features

Monitor readings overnight, on weekends, or for any time period with rolling data log. User-defined data logging interval of one observation/minute to one observation /24 hours. Memory capacity maintains a year of recorded data when using 1 minute intervals and longer when using larger intervals.

Thermo Scientific Dataloggers (Model DATAVACTS1)

Specifications	Details
Temperature Range	-50 to 70°C (-58 to 158°F)
Temperature Accuracy	±0.25°C
Temperature Resolution	0.01°
Number of Probes	1
Probe Dimensions	1 x 2-1/2 inches
Cable Length	10'
MIN/MAX Memory	Y
Average (Y/N)	N
Difference (Y/N)	N
Datalogging (Y/N)	Y
Exportable Data (Y/N)	N
LCD Digit Size	1/2 in
Dimensions	2-3/4" x 4-1/4" x 3/4"
Weight	5 ounces
A/C Plug (Y/N)	Y (Included)
Traceable	Y
CE Marked	Y
Supplied With	batteries, universal adapter, stand, Velcro®, magnetic strips, wall mount, Traceable® Certificate, batteries



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