

TESTO MINI DATA LOGGER - 174T

The testo 174T is an ideal data logger for continuous monitoring of temperatures. Because storage temperatures should never exceed specific limit values, the 174T records the temperature values and alerts when thresholds have been exceeded.



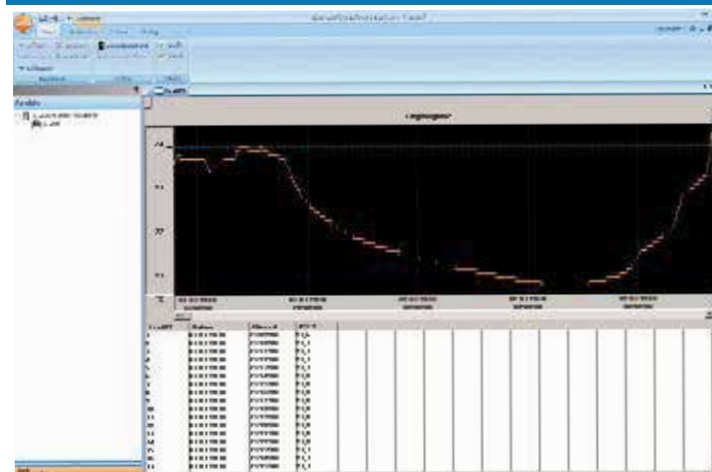
FEATURES

- Provides reliable and economical temperature monitoring of products in storage and transport
- Simple, large, easy to read display
- Logs up to 16,000 readings
- Includes USB interface for data transfer
- Free software download

TECHNICAL DATA

Probe type	Internal NTC temperature sensor
Measuring range	-30 to +70 °C
Accuracy	±0.5 °C (-30 to +70 °C) ± 1 digit
Resolution	0.1 °C
Operating temperature	-30 to +70°C
Storage temperature	-40 to +70°C
Battery type	2 x 3 V button cell (2 x CR2032 lithium), can be changed by user
Battery life	500 days (15 min measuring cycle, +25°C)
Protection class	IP65
Meas. cycle	1 min – 24 h (can be selected)
Memory	16,000 readings
Software	can be used with Windows XP, Vista, Win7

TESTO 174 LOGGER SOFTWARE



With the ComSoft testo 174 software the data logger can be configured and read out easily via USB interface. Measurement data can be analyzed quickly and intuitively.

BIOS
Professional

VACCINE STORAGE THERMOMETERS



ENSURE THE SAFETY & EFFICACY OF VACCINES

VACCINE THERMOMETER GUIDELINES

Vaccines are sensitive biological products that may become less effective, or even destroyed, when exposed to temperatures outside the recommended range, and / or to direct sunlight or fluorescent light. The optimum temperature for refrigerated vaccines is between 2°C and 8°C (+35°F and +46°F). For frozen vaccines the optimum temperature is -15°C (+5°F) or lower. Proper storage temperatures must be maintained at every link in the chain or vaccines may be damaged and unsuitable for administration.

Each provincial, regional and local level must have:

- ✓ Defined processes for receiving vaccines to maintain appropriate temperatures
- ✓ Processes in place to identify and respond to any breaches
- ✓ Clearly defined procedures for any subsequent packing and shipping to secondary sites

TEMPERATURE MONITORING REQUIREMENTS

- Accuracy: $\pm 0.5^{\circ}\text{C}$ / $\pm 1^{\circ}\text{F}$
- Continuous recording with Min / Max readings (since last reset) and alarm
- Glycol enclosed temperature probes
- Probe to be placed in the center of the vaccine storage unit
- Min / Max must be reset after each record (2x daily)
Record: Current / Max / Min - date, time, initials



REFRIGERATOR / FREEZER VACCINE THERMOMETER - 119

FEATURES

- Ambient temperature monitoring
- Digital 12 / 24 hour clock
- Range: -50°C to 70°C / $(-58^{\circ}\text{F}$ to $158^{\circ}\text{F})$
- Max / Min temperature and humidity data storing function
- Comfort index display: comfort, wet, dry
- Desk or wall mount
- 3m / 10ft. sensor wire



This Vaccine Thermometer indicates three important features for vaccine storage: time and date, maximum and minimum temperature, high and low temperature alarms as well as a comfort index display.



PREMIUM VACCINE FRIDGE THERMOMETER - 120SC

In the refrigerator, vaccines should be stored on the middle shelf away from the coil, walls, floor and cold-air vent. Vaccines should never be stored in the refrigerator door. The temperature in the door is not stable because door openings subject products in this location to frequent temperature fluctuations.



Optional glycol tubes for buffering temperatures. (Sold Separately - 121SC)

A thermal buffer such as glycol are strongly recommended, and more closely reflects the vaccines actual temperature. Having a probe in a sealed glycol bottle helps to prevent intermittent air currents from throwing off the temperature reading. The glycol helps average out the temperature when it fluctuates from frequent openings and closings of the door. Guideline is no more than 4x daily.

FEATURES

- Magnet back / Picture stand
- Low / High temperature alarm
- Low battery indicator
- Digital 12 / 24 hour clock
- Recalls Min and Max temperatures from 2 sensors
- Programmable Min/Max temperature
- Temperature range: -50°C to 70°C / -58°F to 158°F

