

GUARANTEE

This instrument carries a two-year guarantee against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ETI, be either repaired or replaced without charge. This guarantee does not apply to probes, where a six-month period is offered. The product guarantee does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. Full details of liability are available within ETI's Terms & Conditions of Sale at etiltd.com/terms. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.



THERMAGUARD® Fridge/Freezer Thermometers

INSTRUMENT RECORD CARD

Model

- ☐ ThermaGuard 101 *
- ☐ ThermaGuard 102

	0 °C	50 °C
Sensor 1		
Sensor 2		

*Internal Sensor within $\pm 0.2^{\circ}\text{C}$ of Sensor 2.

Serial no. _____

Calibrated by _____ Date _____

This instrument has been checked or calibrated against reference instrument(s) calibrated by a UKAS Accredited Calibration Laboratory.



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Operating Instructions

INSTRUMENT OPERATION

The instrument continuously displays and measures temperature. The ThermoGuard incorporates fixed internal/external sealed thermistors for slow moving high accuracy applications. The normal display for the instrument is to show the probe temperature and the MIN/ MAX readings for the selected probe.

FAULTY PROBE- If the probe has developed an 'Open Circuit' fault the instrument will display 'Err'.

SENSORS - The LCD displays one sensor at a time. When in normal display, press MODE to alternate between sensors. Sensor 1 is the upper probe (or internal Sensor) and Sensor 2 is the lower probe, as noted on the rear label. If the measured temperature exceeds the instruments temperature range 'Err' will be displayed.

°C/°F - When in normal display press and hold the SET button for 5 seconds to change between °C and °F.

MIN/MAX - The MIN/MAX temperatures are displayed in the lower sections of the LCD. Press and hold MODE for 3 seconds to reset the readings for the selected probe, 'rSt' will be displayed. The MIN/MAX readings are not retained when the batteries are replaced.

SETTING ALARMS - Press ALARM to display the Lo/Hi alarm levels, hold SET for 3 seconds to enter alarm set-up. 'SET' will be displayed with 'Lo' flashing. Use the Up/Down arrows to adjust the alarm, then press SET to step onto the 'Hi' alarm. Repeat the previous steps before pressing SET to exit the alarm set-up. To set the alarm levels for the other sensor, change the displayed sensor and repeat the alarm set-up procedure.

ALARMS - Press ALARM and the Lo/Hi alarm levels will be displayed instead of MIN/MAX. Press ALARM again to return, alternatively it will auto time-out back to normal display after 10 seconds.

If an alarm is triggered, the alarm and the alarm symbol will flash, as well as an audible alarm, unless muted.

Press any button to silence the alarm; the LCD will continue to flash until it comes out of alarm.

ALARM VOLUME - When in normal display press and hold ALARM for 5 seconds to mute/un-mute the alarm volume. The alarm symbol and ON/ OFF will be displayed.

CALCHECK - To check the accuracy of the thermometers electronics, while in normal display press and hold the ALARM & SET buttons for 3 seconds, the unit will display 0.0 °C ±0.1 °C.

BATTERY REPLACEMENT

The instrument displays a battery symbol which will warn you of half and low battery, at which point the batteries should be changed. You will require a flat-headed screwdriver. Place the instrument display-down on a solid surface, unscrew and remove the battery cover on the rear of the instrument. Remove batteries, disposing of them appropriately. Fit 2 x new AA batteries, noting the polarities marked on the plastic. Replace the battery cover and tighten the screw, do not use excessive force. The instrument will then start automatically.

WARNING - IPA and other solvents may cause damage to the case and screen of this instrument.