

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.



THERMAQ[®] 2 THERMOMETER



Manufactured by
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Operating Instructions

INSTRUMENT OPERATION - Connect probe(s) via the sockets located at the top of instrument using miniature type K probes only. Press the ON/OFF button to turn the unit on and apply the tip of the probe(s) to the substance or medium to be measured. The instrument reading may take a few seconds to stabilise depending on the nature of the measurement and sensitivity of the probe.


ON/OFF AND BACKLIGHT - Press ON/OFF once to power on ThermaQ 2. Press and hold ON/OFF for 2 seconds to power off. Pressing any button will activate the backlight for 30 seconds.

Press ON/OFF once to turn off backlight.

Please note: the backlight will not illuminate when the low battery icon  is displayed.

°C/°F - Press and hold the ON/OFF button for five seconds whilst the unit is switching on.

VOLUME - Press the VOLUME button to adjust the volume level or turn off the audible alarm.

Please note: the alarm level can be set to a maximum level of two and no more if the low battery icon  is displayed.

MIN/MAX - The MIN and MAX temperatures are constantly shown for both channels and can be reset by turning the unit off and on again.

SETTING ALARMS - Press the CH button to toggle through and select the desired channel and then press the SET button to turn the alarm on or off.

ALARM ON or OFF will begin to flash, use the UP and DOWN arrows to change from on or off on the selected channel. Press SET again to save the changes and move to the HIGH ALARM. With the HIGH ALARM digits flashing, use the UP and DOWN arrows to adjust to desired temperature.

Press SET again to save the HIGH ALARM changes and move on to LOW ALARM. With the LOW ALARM digits flashing, use the up and down arrows to adjust the desired temperature. Press SET again to save all the changes and return to normal mode.

ALARMS - If an alarm is triggered, the channel's display will begin to flash with the programmed HI or LO temperature and a unique alarm will sound. If the set alarms are exceeded then an audible alarm will sound and the relevant LCD segments flash.

A single beep denotes an alarm on T1 and double beep denotes an alarm on T2 and so on. If multiple alarms are occurring - the instrument sounds the most recent alarm. If that alarm clears then it reverts to the most recent still occurring alarm. Once an alarm sounds, pressing any button will mute the alarm. The display will continue to flash while the temperature is outside the set temperatures. The alarm will automatically re-alarm if the temperature returns within the set temperatures.

NO PROBE - When 'no PrbE' flashes, a probe is not connected or has failed. Make sure the plug is fully inserted.


DISPLAY - ThermaQ 2 display will switch between channels 1/2 and 3/4 automatically when probes are plugged in. To manually switch the display, press the UP or DOWN arrow. If probes are only plugged into channels 1/2, the display will not automatically switch to 3/4.

DISABLE CHANNEL - When using less than four probes, set the unwanted channel(s) LO alarm below -100 °C (-148 °F) to disable the channel.

'OFF' will appear in the display. To turn the channel on again, simply set LO alarm to -100 °C (-148 °F) or above. Please note: when T1 & T2 or T3 & T4 are disabled the channel auto rotation will be disabled.

USB-C PORT - USB-C port is only used to support Billows BBQ Temperature Control Fan. ThermaQ 2 does not receive power from this port.

BILLOWS SUPPORT - ThermaQ 2 is compatible with Billows. For more instructions on how to use Billows please go to <https://help.thermoworks.com/article-categories/billows/>

BATTERY REPLACEMENT - The low battery icon  indicates that the batteries need replacing as soon as possible. The instrument will continue to function but to maintain accuracy new batteries are required. Replace the three AAA batteries located under the rear case, half of which are held in place by six screws. Check the seal for damage and carefully replace the rear case half, re-fit and tighten the screws.

OFFSET TRIM - Temperature readings can be offset by increments of 0.1°. Press and hold the UP and DOWN buttons simultaneously for five seconds.

'Offset' will scroll across channel 1 then display current offset. Using the UP and DOWN buttons, set desired offset for Channel 1. A maximum of ±5 °C (±9 °F) offset can be applied. Press CH to switch to channel 2, 3, or 4. Pressing SET will save adjustments and return to the normal display.

AMBIENT ALARMS - AHI will be displayed if ThermaQ 2 electronics get too hot. Place the unit in the shade or in a cooler location.

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