Model	Order Code
ThermaQ 2	231-052

SPECIFICATIONS

Range	–148 to 2500°F (–100 to 1372°C)
Operating Environment	–4 to 122°F (–20 to 50°C)
Resolution	0.1° to 600°F (300°C) thereafter 1°
Accuracy	±0.7°F (±0.4°C), ±0.1% of reading
Sensor	4 Type K thermocouple channels
Battery	3x 1.5V AAA, 3,000 hours
Volume	Level 1 - 94dB
	Level 2 - 96dB
	Level 3 - 98dB
	Level 4 - 100dB
Water Resistance	IP67 rated
Display	1.28 H x 1.68 W inches
	(33 H x 43 W mm) LCD
Dimensions	5.6 H x 2.8 W x 1.26 D inches
	(141 H x 71 W x 32 D mm)
Weight	0.50lb. (230g)
Calibration	Includes NIST-traceable certificate

ACCESSORIES

Type K Thermocouple Probes
Wide selection available at
thermoworks.com

**Billows™
BBQ Temperature
Control Fan Kit**
Model: TW-1600-KIT

ThermoWorks

ThermaQ® 2

2 YEAR WARRANTY

Biomaster PROTECTED

Made in the UK

CE

ThermoWorks

ThermoWorks, Inc.
Utah, U.S.A.
Ph: 801-756-7705 Fax: 801-756-8948
www.thermoworks.com

P-18-010-02-a

Ref: 547-192 / 17.09.20

Operating Instructions

INSTRUMENT OPERATION - Connect probe(s) via the sockets located at the top of ThermaQ 2. Switch on the instrument and apply the tip of the probes to the substance or medium to be measured. The instrument measurement may take a few seconds to stabilize, depending on the nature of the measurement and the 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.

°F/°C - Press and hold ON/OFF button during start-up until the display switches between °F and °C.

VOLUME - Press the VOLUME button to adjust volume settings or mute alarms.

SETTING ALARMS - To set an alarm simply press CH to select the desired channel and then press SET to first turn the alarm function 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 change and move to the HIGH ALARM. With the HIGH ALARM digits flashing, use the UP and DOWN arrows to adjust the 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.

ALARM INDICATORS - Both Low and High Alarm settings are always visible. When an alarm temp is triggered, the low or high alarm digits will flash, even if the sound is muted or silenced. Any button press will silence the audible alarms.

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.

If probes are only plugged into channels 3/4, the display will not automatically switch to 1/2.

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

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 instrument will display a low battery symbol to warn that the batteries need changing soon. The instrument will continue to measure accurately, however with continued use ThermaQ 2 will display flat bat and shutdown. Replace the three AAA batteries located under the rear case half that is held in place by six screws. Before replacing, check the seal for damage. Carefully replace the rear case half, re-fit, and tighten the screws.

OFFSET TRIM - Users can offset temperature readings by 0.1° increments. Press and hold the UP and DOWN arrows together for 5 seconds. Offset will scroll across channel 1 then display the current offset. Using the UP and DOWN arrows, set the desired offset for channel 1. A maximum of $\pm9°F$ or $\pm5°C$ 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.

PRODUCT WARRANTY - This instrument carries a two-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ThermoWorks, be either repaired or replaced without charge. This warranty does not apply to probes, where a six-month period is offered. Full details of liability are available within ThermoWorks' Terms & Conditions of Sale at www.thermoworks.com/product-warranty.

TECHNICAL SUPPORT - For warranty, service, and technical assistance, please contact ThermoWorks' Technical Support at (801) 756-7705 or email at techsupport@thermoworks.com.