

# Thermocouple thermometers TK 61 – TK 62

## DEVICE DESCRIPTION



## PERFORM A MEASUREMENT

- Turn on the device by pressing **"On/Off/Esc"**.
- Put the probe(s) to the required location.  
*The device displays the temperature measurement with the thermocouple type indicated below.*  
*If the thermometer used is the TK62 with two connected probes, the device displays the two measurements.*
- Press **"OK"** to display the delta T between the two measured temperatures.

## HOLD THE MEASUREMENT, DISPLAY THE MAXIMUM AND MINIMUM

*During a measurement:*

- Press **"Hold/min/max"**.

*"Hold" is displayed and the measurement is frozen.*

- Press again **"Hold/min/max"**.

*The device displays the **maximum** value measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value measured since the last questioning of the frozen channel at the bottom of the screen.*

*For a TK 62 with two connected probes:*

*The device displays the **maximum** value of the T1 probe measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the T1 probe measured since the last questioning of the frozen channel at the bottom of the screen.*

- Press again **"Hold/min/max"**.

*The device displays the **maximum** value of the T2 probe measured since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the T2 probe measured since the last questioning of the frozen channel at the bottom of the screen.*

- Press again **Hold/min/max**.

*The device displays the **maximum** value of the delta T since the last questioning of the frozen channel at the top of the screen and the **minimum** value of the delta T since the last questioning of the frozen channel at the bottom of the screen.*

- Press **"On/Off/Esc"** to return to the measurement display.

## SET THE DEVICE

### Select the thermocouple type

*The device is on and displays the measurement.*

- Press **"Selection"**.

*"PROBE" blinks on screen.*

- Press **"OK"**.

*The thermocouple type currently used blinks on screen.*

- Press **"Selection"** until the required thermocouple type appears: K, T, J or S. Press **"OK"** to confirm the selection.

*"PROBE" blinks on screen.*

- Press **"On/Off/Esc"** to return to the measurement display.

## Select the temperature unit

The device is on and displays the measurement.

- Press **"Selection"** until **"UNIT"** blinks on screen. Press **"OK"**.  
The unit currently used blinks on screen.
- Press **"Selection"** until the required unit appears: °C or °F.
- Press **"OK"** to confirm the unit selection.  
**"UNIT"** blinks on screen.
- Press **"On/Off/Esc"** to return to the measurement display.

## Set the auto shut-off

The device is on and displays the measurement.

- Press **"Selection"** until **"AUTO OFF"** blinks on screen. Press **"OK"**.  
The time before the device auto shut-off blinks at the bottom of the screen.
- Press **"Selection"** until the required time before the device auto shut-off appears: 15, 30, 45, 60, 75, 90, 105, 120 minutes or OFF.
- Press **"OK"** to confirm the selection.  
**"AUTO OFF"** blinks on screen.
- Press **"On/Off/Esc"** to return to the measurement display.

## Activate or deactivate the keys beep

The device is on and displays the measurement.

- Press **"Selection"** until **"BEEP"** blinks on screen. Press **"OK"**.  
**"OFF"** or **"ON"** blinks on screen.
- Press **"Selection"** to activate the keys beep **"ON"** or deactivate it **"OFF"**.
- Press **"OK"** to confirm the selection.  
**"BEEP"** blinks on screen.
- Press **"On/Off/Esc"** to return to the measurement display.

## Set the alarm

This function allows to activate a temperature alarm on channel 1 when the device reaches or exceeds a previously defined threshold. This threshold is between -200 and +1760°C according to the thermocouple type of the probe.

The device is on and displays the measurement.

- Press **"Selection"** until **"AL 1"** blinks on screen.
- Press **"OK"**.  
The first digit blinks.
- Press **"Selection"** to select the value of the first digit according to the thermocouple type of the probe: -, 0, 1 or OFF.
  - If **"Off"** is selected, the alarm is deactivated. Press **"OK"** to confirm, **"AL 1"** blinks on screen.
  - If -, 0 or 1 is selected, press **"OK"**. The next digit blinks, press **"Selection"** to select its value then press **"OK"** to confirm. Perform the same procedure to select the value of the following digits (press **"On/Off/Esc"** to return to the previous digit). Press **"OK"** when the last digit is set, **"AL 1"** blinks on screen.
- Press **"On/Off/Esc"** to return to the measurement display.

---

## ACTIVATE THE BACKLIGHT

The device is on.

- Press **"Backlight"**  to activate the device backlight.
- Press again this key to deactivate the backlight.

---

## TURN OFF THE DEVICE

To turn off the device:

- Carry out a long press on **"On/Off/Esc"**.

---

## REPLACE THE BATTERIES

- Remove the front part at the back of the device.
- Change the old batteries by AAA LR03 1.5V batteries.
- Replace the front

---

## SAFETY INSTRUCTIONS



In order to avoid any risk of a voltage on the surface of the element on which we want to perform a temperature measurement, the thermocouple(s) **MUST NOT** be under a voltage higher than 30 V alternating or 60 V direct voltage relating to earth.



In order to avoid any damage on the device, the voltage between the two thermocouples **MUST NOT** be higher than 0.5 V.



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance to 2002/96/CE guidelines relating to WEEE



Export Department  
Tel.: +33 (0)1 60 06 69 25  
Fax: +33 (0)1 60 06 69 29  
Email: export@kimo.fr

[www.kimo.fr](http://www.kimo.fr)

Distributed by: