

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