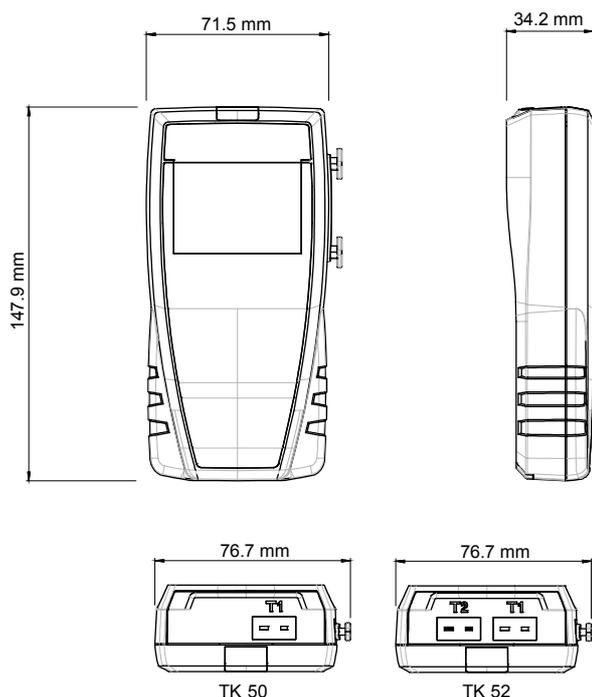


## Thermometer TK 50 – TK 52

### KEY POINTS

- Easy to use
- HOLD function
- Detachable probe
- Auto shut-off : 20 minutes

### FEATURES OF THE HOUSING



**Material :** ABS

**Protection :** IP54

**Display :** 1 line  
LCD 1 x 5 digits  
Size : 50 x 20 mm

**Height of digits :**  
Values : 9.2 mm  
Units : 4.7 mm

**Weight :** 200 g (with batteries)



### TECHNICAL FEATURES

Parameter	Temperature
<b>Measuring units</b>	°C, °F
<b>Measuring range</b>	Thermocouple <b>K</b> : from -200 to +1300 °C ; Thermocouple <b>J</b> : from -100 to +750 °C Thermocouple <b>T</b> : from -200 to +400 °C ; Thermocouple <b>S</b> : from 0 to +1760 °C
<b>Accuracy*</b>	Thermocouple <b>K</b> : ±1.1 °C or ±0.4% reading value** ; Thermocouple <b>J</b> : ±0.8 °C or ±0.4% reading value** Thermocouple <b>T</b> : ±0.5 °C or ±0.4% reading value** ; Thermocouple <b>S</b> : ±1 °C or ±0.4% reading value**
<b>Channels number</b>	TK50 : 1 channel TK52 : 2 channels
<b>Resolution</b>	0.1 °C
<b>Response time</b>	T63 = 5 s
<b>Measuring elements</b>	Thermocouple K, J, T, S
<b>Conditions of use (°C/%RH/m)</b>	From 0 to +50 °C. In non-condensing conditions. From 0 to 2000 m.
<b>Storage temperature</b>	From -20 to +80 °C
<b>Power supply</b>	4 batteries AAA LR03 1.5 V
<b>Battery life</b>	180 hours
<b>European directives</b>	2004/108/EC EMC ; 2006/95/EC Low Voltage ; 2011/65/EU RoHS II ; 2012/19/EU WEEE

All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation

\*\* The accuracy is expressed either by a deviation in °C or by a percentage of the value concerned : only the bigger value is considered.

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## SUPPLIED WITH

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Instruments are supplied with an adjustment certificate and a soft case.



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## ACCESSORIES

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- Any thermocouple probe
- Calibration certificate
- Soft case
- Magnetic protective housing



**Only the accessories supplied with the device must be used.**



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## MAINTENANCE

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We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

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## GUARANTEE

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Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

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## PRECAUTIONS FOR USE

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Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the device.

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## USE OF THE INSTRUMENT

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### Take a measurement

- Switch on the instrument by pressing on **“On/Off/Hold”**.  
*The instrument displays its name “TK50” or “TK52”, then the measured value.*
- Press on **“Select”** to move from channel 1 to channel 2 (only TK 52).

### Hold the measurement

*During measurement :*

- Press briefly on **“On/Off/Hold”** to hold measurement.  
*“Hold” appears on the screen and the measurement is fixed.*
- Press again briefly on **“On/Off/Hold”** to exit the Hold function.

### Change the thermocouple type

*The instrument is on and displays the temperature.*

- Pressing longer on **“Select”** and **“On/Off/Hold”** at the same time.
- Press on **“Select”** until the type of desired thermocouple (K, J, T or S) appears.
- Pressing longer on **“Select”** and **“On/Off/Hold”** at the same time to validate.

### Change the temperature unit

*The instrument is on and displays the temperature.*

- Pressing longer on **“Select”** to change the temperature unit.
- Press briefly on **“Select”** to select the unit : °C or °F.
- Pressing longer on **“Select”** to return to the normal measuring mode.

### How to change batteries

- Remove the front part at the back of the instrument.
- Replace used batteries by new batteries AAA LR03 1.5 V.
- Replace the front.

Auto shut-off : the instrument switches off if not used during 20 minutes.



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance with European guidelines relating to WEEE.

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