



Calibration  
certificate

## Thermocouple thermometers

**TK 100 - TK 150**  
**TK 102 - TK 152**

**New**

**CE**



### Functions

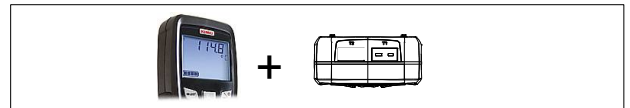
- Temperature
- Selection of units
- HOLD function
- Minimum and maximum values
- Adjustable automatic shut-off
- Adjustable backlight
- Delta T (TK 102 & TK 152)
- Adjustable alarms (TK 150 & TK 152)
- Auto-Hold function (TK 150 & TK 152)

### Technical features

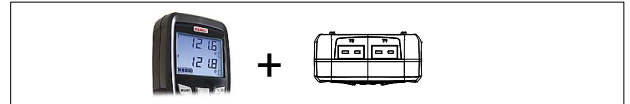
Measuring elements.....	Thermocouple K, J or T class 1
Display.....	2 lines, LCD technology. Sizes 50 x 34.9 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Housing.....	Shock-proof made of ABS, IP54 protection or IP65 with food industry protective cover
Keypad.....	Metal-coated with 5 keys
Conformity.....	electromagnetical compatibility (NF EN 61326-1 guideline)
Power supply.....	1 alkaline battery 9V 6LR61
Operating temperature.....	from 0 to 50°C
Storage temperature.....	from -20 to +80°C
Auto shut-off.....	adjustable from 0 to 120 min
Weight.....	190g
Languages.....	French, english



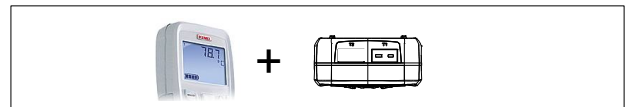
TK 100 - 1 channel



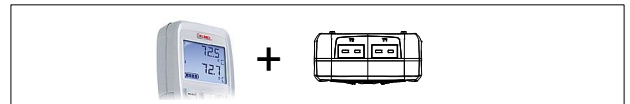
TK 102 - 2 channels



TK 150 - 1 channel



TK 152 - 2 channels



\*except class 100S and 150S

## Specifications

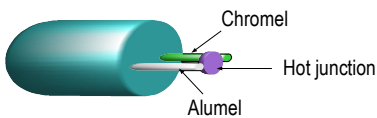
	Measuring units	Measuring ranges	Accuracy*	Resolutions
<b>THERMOCOUPLE PROBES (see related datasheet)</b>				
Thermocouple K	°C, °F	from -200 to 1300°C	±1.1°C or ±0.4% of reading**	0.1 °C
Thermocouple J	°C, °F	from -100 to 750°C	±0.8°C or ±0.4% of reading**	0.1 °C
Thermocouple T	°C, °F	from -200 to 400°C	±0.5°C or ±0.4% of reading**	0.1 °C

\*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required 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.

## Working principle

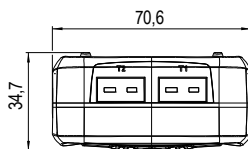
According to the Seebeck effect, when two wires composed of different metals are joined at both ends, an electric circuit is formed. The voltage increases with temperature.

I.E : Thermocouple K

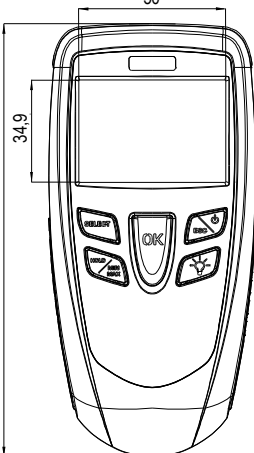


## Dimensions

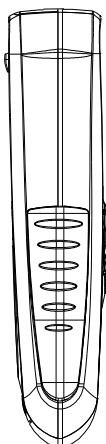
• Top view



• Front view



• Side view



## Supplied with ...

● Included ○ Optional

DESCRIPTION	TK 100	TK 102	TK 150	TK 152
Thermocouple probes	○	○	○	○
Protective cover for food industry IP65			○	○
Calibration certificate*	●	●	●	●
Transport case	●	●	●	●



**Large choice of temperature probes (See related datasheet) :**

- ambient
- contact
- penetration
- food industry penetration
- general use
- Etc...

\*except class 100S and 150S



## Accessories (See related datasheet)

CE 100	BN (See related datasheet)
Protective cover with magnet and holding system.	Black ball Ø 150mm with junction for temperature probe Ø 4.5mm. Further dimensions available.
RTS	GST
Telescopic extension (for probe), 1m long and bent at 90°.	Silicone heat-conductive grease for temperature probes

## Warranty period

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

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

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