



Calibration
certificate

Thermocouple thermometers

TK 100 - TK 102

New



Functions

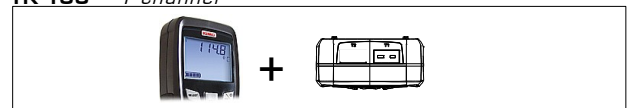
- Temperature
- Selection of units
- HOLD function
- Simplified mode function
- Minimum and maximum values
- Adjustable backlight
- Delta T (TK 102)
- Adjustable automatic shut-off

Technical features

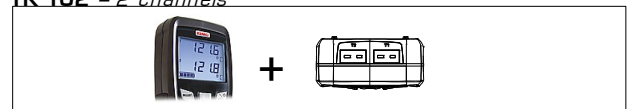
Measuring elements.....	Thermocouple K, J, T or S class 1
Display.....	2 lines, LCD technology. Sizes 50 x 34.9 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Housing.....	Shock-proof made of ABS, IP54 protection or IP67 with CEP 150 protective cover
Keypad.....	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.....	5 choices: "Off", 3, 6, 10 or 15 minutes
Weight.....	190g
Languages.....	French, english



TK 100 - 1 channel



TK 102 - 2 channels



*except class 100S

Specifications

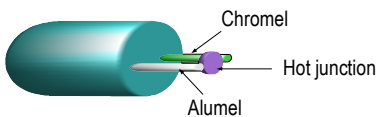
	Measuring units	Measuring ranges	Accuracy*	Resolutions
THERMOCOUPLE PROBES (see related datasheet)				
Thermocouple K	°C, °F	from -200 to 1300°C	±1.1°C or ±0.4% of reading**	0.1 °C
Thermocouple J	°C, °F	from -100 to 750°C	±0.8°C or ±0.4% of reading**	0.1 °C
Thermocouple T	°C, °F	from -200 to 400°C	±0.5°C or ±0.4% of reading**	0.1 °C
Thermocouple S	°C, °F	from 0 to 1760 °C	±1°C or ±0.4% of reading**	0.5 °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

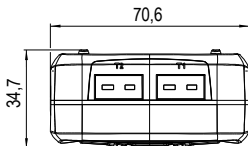
According to the Seebeck effect, when two wires composed of different metals are joined at both ends, an electric circuit is formed. The voltage increases with temperature.

I.E : Thermocouple K

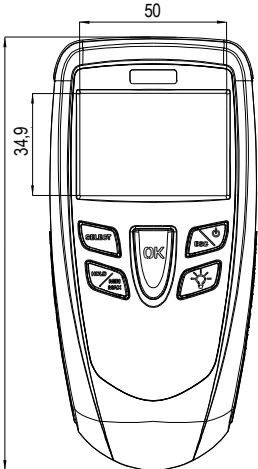


Dimensions

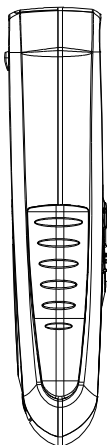
• Top view



• Front view



• Side view



Supplied with ...

● Included ○ Optional

DESCRIPTION	TK 100	TK 102
Thermocouple probes	○	○
Protective cover IP67	○	○
Calibration certificate*	●	●
Transport case	●	●

*except class 100S




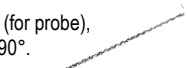



Large choice of temperature probes (See related datasheet) :

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



Accessories (See related datasheet)

CE 100 Protective cover with magnet and holding system. 	CEP 100 Protective cover against water spray 
GST Silicone heat-conductive grease for temperature probes 	RTS Telescopic extension (for probe), 1m long and bent at 90°. 
BN (See related data sheet) Black ball Ø 150mm with junction for temperature probe Ø 4,5mm. Further dimensions available. 	

Warranty period

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

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