



Calibration
certificate

Thermocouple Thermometers

TK 100 – TK102 – TK150 - TK152

CE



Functions

- Temperature
- Selection of units
- HOLD function
- Simplified mode function
- Minimum and maximum values
- Adjustable automatic shut-off
- Large Adjustable **ICE BLUE** backlight
- Delta T (TK 102 & 152 Only)
- Adjustable alarms
- Auto-Hold function

Technical Features

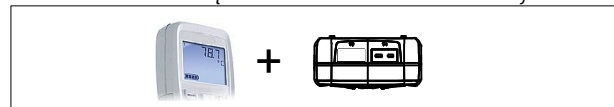
Measuring elements	Thermocouple K, J or T class 1
Display	2 lines, LCD technology. Sizes 50 x 34.9 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Housing	Shock-proof made of ABS, IP54 protection and IP65 with food industry protective cover
Keypad	Metal-coated with 5 keys
Conformity	electromagnetical compatibility (NF EN 61326-1 guideline)
Power supply	1 alkaline battery 9V 6LR61 Included
Operating temperature	from 0 to 122°F
Storage temperature	from -4 to +176°F
Auto shut-off	adjustable from 0 to 120 min
Weight	6.7 oz.
Languages	English, French



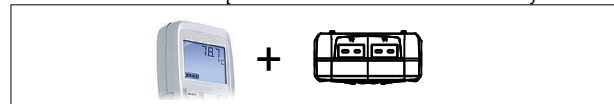
**Special Water Proof Protective Cover
for FOOD Market**



TK 100 – 1 Channel (TK150 – White for FOOD market)



TK 102 – 2 Channels (TK152 – White for FOOD market)



Specifications

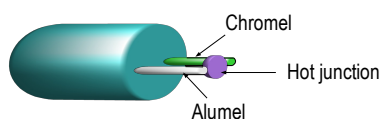
	Measuring Units	Measuring Ranges	Accuracy*	Resolutions
THERMOCOUPLE PROBES (see related datasheet)				
Thermocouple K	°C, °F	from -328 to 2372°F	±1.1°F or ±0.4% of reading**	0.1 °F
Thermocouple J	°C, °F	from -158 to 1382°F	±0.8°F or ±0.4% of reading**	0.1 °F
Thermocouple T	°C, °F	from -328 to 752°F	±0.5°F or ±0.4% of reading**	0.1 °F

*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

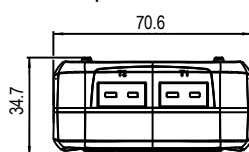
According to the Seebeck effect, when two wires composed of different metals are joined at both ends, an electric circuit is formed. The voltage increases with temperature.

I.E : Thermocouple K

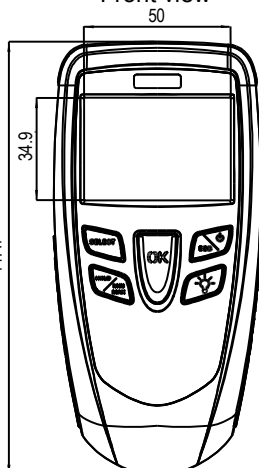


Dimensions (mm)

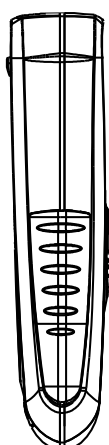
• Top view



• Front view



• Side view



Supplied with ...

● Included ○ Optional

DESCRIPTION	TK 100	TK 102	TK 150	TK 152
Thermocouple Probe Inputs	○	○	○	○
Waterproof Protective cover for FOOD industry IP65	○	○	●	●
Calibration Certificate	○	○	○	○
Soft Vinyl Transport case	●	●	●	●



Large choice of temperature probes

(See related datasheet) :

- Ambient
- Contact
- Penetration
- Food industry penetration
- General use
- Etc...



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 Service Department).

FTang – TK 100 – TK 150 – 11/08 B – We reserve the right to modify the characteristics of our products without notice.

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