



# Pt100 Thermometers

## TR 100 - TR 102

New  
CE



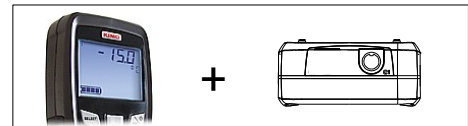
### Functions

- Temperature 1 or 2 channels
- Selection of units
- HOLD function
- Simplified mode function
- Adjustable automatic shut-off
- Adjustable backlight
- Delta T (TR 102)
- Minimum and maximum values

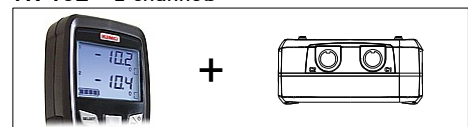
### Technical features

<b>Measuring element</b>	Class 100 : Pt100 class A
<b>Display</b>	4 lines, LCD technology. Size 50 x 34.9 mm. 2 line of 5 digits with 7 segments (value) 2 line of 5 digits with 16 segments (unit)
<b>Housing</b>	Shock-proof made of ABS, IP54 protection or IP67 with CEP 150 protective cover
<b>Keypad</b>	Metal-coated with 5 keys
<b>Cable</b>	straight, lg. 2 m
<b>Conformity</b>	electromagnetical compatibility (NF EN 61326-1 guideline)
<b>Power supply</b>	1 alkaline battery 9V 6LR61
<b>Operating temperature</b>	from 0 to 50°C
<b>Storage temperature</b>	from -20 to +80°C
<b>Auto shut-off</b>	adjustable from 0 to 120 min
<b>Weight</b>	190g
<b>Languages</b>	French, english

TR 100 - 1 channel



TR 102 - 2 channels



## Specifications

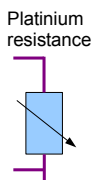
	Measuring units	Measuring ranges	Accuracy*	Resolutions
<b>TEMPERATURE PROBES (See related datasheet)</b>				
TR 100 Pt 100 1 channel	°C, °F	from -100 to 400°C	±0.4% ±0.3°C	0.1 °C
TR 102 Pt 100 2 channels	°C, °F	from -100 to 400°C	±0.4% ±0.3°C	0.1 °C

\*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.

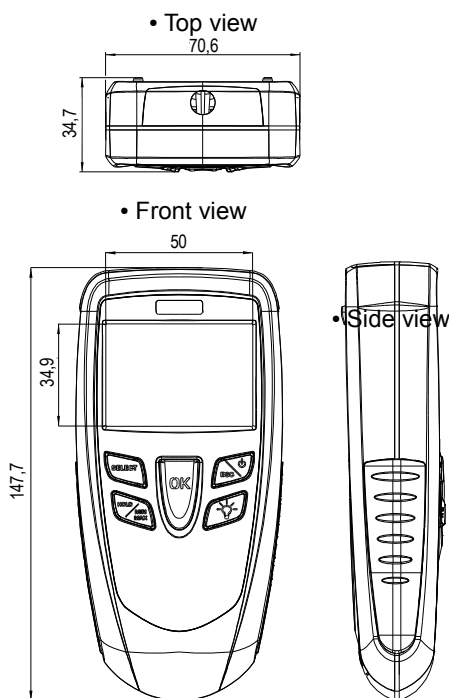
## Working principle

### Thermometer : Pt100 probe

Pt100 is a resistance with a positive temperature coefficient which varies according to the temperature. The higher the temperature is, the more the value of the resistance increases. ie : for 0°C ≈ 100 Ω - for 100°C ≈ 138,5 Ω.



## Dimensions

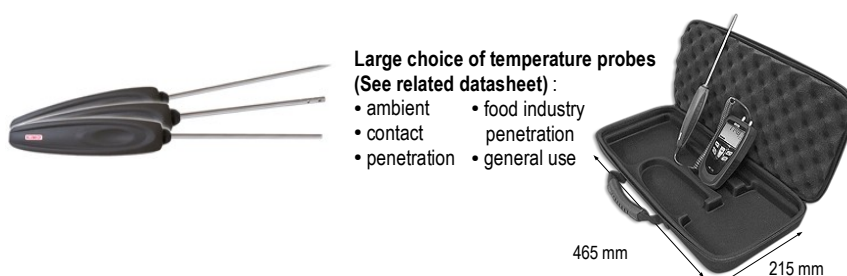


## Supplied with ...




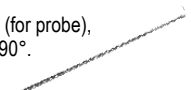

● Included ○ Optional

DESCRIPTION	TR 100	TR 102
Choice of Pt100 temperature probe	○	○
Protective cover IP67	○	○
Calibration certificate*	●	●
Transport case	●	●

\*except class 100S



## Accessories (See related datasheet)

<b>CE 100</b> Protective cover with magnet and holding system. 	<b>CEP 100</b> Protective cover against water spray 
<b>GST</b> Silicone heat-conductive grease for temperature probes 	<b>RTS</b> Telescopic extension (for probe), 1m long and bent at 90°. 
<b>BN (See related data sheet)</b> 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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