



Supplied with* Calibration certificate

Pt100 and Pt1000 Thermometers

TR 100 - TR 150
TR 102 - TR 152

New

CE



Functions

- Temperature 1 or 2 channels
- Selection of units
- HOLD function
- Minimum and maximum values
- Adjustable automatic shut-off
- Adjustable backlight
- Delta T (TR 102 & TR 152)
- Adjustable alarms (TR 150 & TR 152)
- Auto-Hold function (TR 150 & TR 152)

Technical features

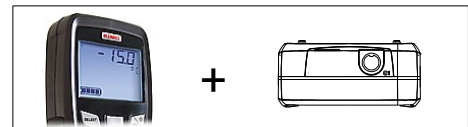
| | |
|----------------------------|---|
| Measuring element..... | Class 100 : Pt100 class A Class 150 : Pt 1000 class A |
| Display..... | 2 lines, LCD technology. Size 50 x 34.9 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit) |
| Housing..... | Shock-proof made of ABS, IP54 protection or IP65 with food industry protective cover |
| Keypad..... | Metal-coated with 5 keys |
| Cable..... | straight, lg. 2 m |
| 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 |



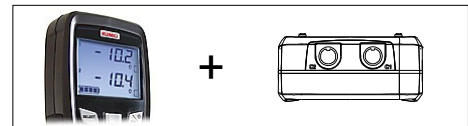
IP54

IP65

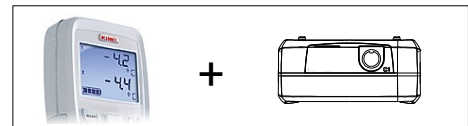
TR 100 - 1 channel



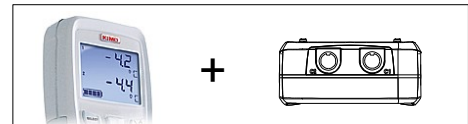
TR 102 - 2 channels



TR 150 - 1 channel



TR 152 - 2 channels



*except classe 100S and 150S

Specifications

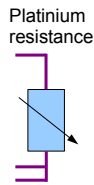
| | Measuring units | Measuring ranges | Accuracy* | Resolutions |
|---|-----------------|--------------------|--------------|-------------|
| TEMPERATURE PROBES (See related datasheet) | | | | |
| TR 100 Pt 100 1 channel | °C, °F | from -100 to 400°C | ±0.4% ±0.3°C | 0.1 °C |
| TR 102 Pt 100 2 channels | °C, °F | from -100 to 400°C | ±0.4% ±0.3°C | 0.1 °C |
| TR 150 Pt 1000 1 channel | °C, °F | from -100 to 400°C | ±0.4% ±0.3°C | 0.1 °C |
| TR 152 Pt 1000 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

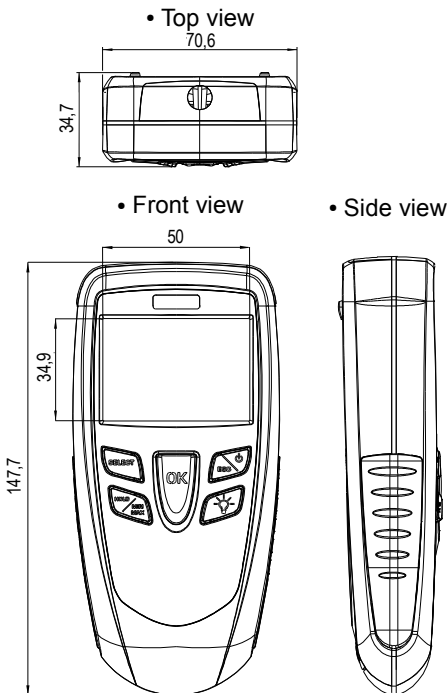
Pt100 is a resistance with a positive temperature coefficient which varies according to the temperature. The higher the temperature is, the more the value of the resistance increases. ie : for 0°C ≈ 100 Ω - for 100°C ≈ 138,5 Ω.



Thermometer : Pt1000 probe

Same principle than Pt100 with an ohmic value multiplied by 10. For 0°C ≈ 1000 Ω - for 100°C ≈ 1385 Ω.

Dimensions



Supplied with ...

● Included ○ Optional

| DESCRIPTION | TR 100 | TR 102 | TR 150 | TR 152 |
|---|--------|--------|--------|--------|
| Choice of Pt100 temperature probe | ○ | ○ | | |
| Choice of Pt1000 temperature probe | | | ○ | ○ |
| Protective cover for food industry IP65 | | | ○ | ○ |
| Calibration certificate* | ● | ● | ● | ● |
| Transport case | ● | ● | ● | ● |



*except class 100S and 150S

Large choice of temperature probes

(See related datasheet) :

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



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).

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