

Pt100 Thermometer TR 110 – TR 112



KEY POINTS

- Adjustable alarms
- Adjustable backlight
- Hold-min-max function
- Selection of units

TECHNICAL FEATURES

Measuring element	Pt100 class A
Number of channels	TR110 : 1 channel TR112 : 2 channels
Display	4 lines, LCD technology. Sizes 50 x 36 mm. 2 lines of 5 digits with 7 segments (value) 2 lines of 5 digits with 16 segments (unit)
Housing	ABS, protection IP54
Keypad	5 keys
Connector	Compensated miniature female connectors
Conformity	Directives EMC 2004/108/CE and EN 61010-1
Power supply	4 batteries AAA LR03 1.5 V
Battery life	180 hours
Ambience	Neutral gas
Operating temperature	From 0 to +50 °C
Storage temperature	From -20 to +80 °C
Auto shut-off	Adjustable from 0 to 120 min
Weight	210 g



SPECIFICATIONS

Measuring units	Measuring range	Accuracy ¹	Resolution
Pt100 probes (see related data sheet)			
°C, °F	From -100 to +400 °C	±0.4% of reading ±0.3°C	0.1 °C

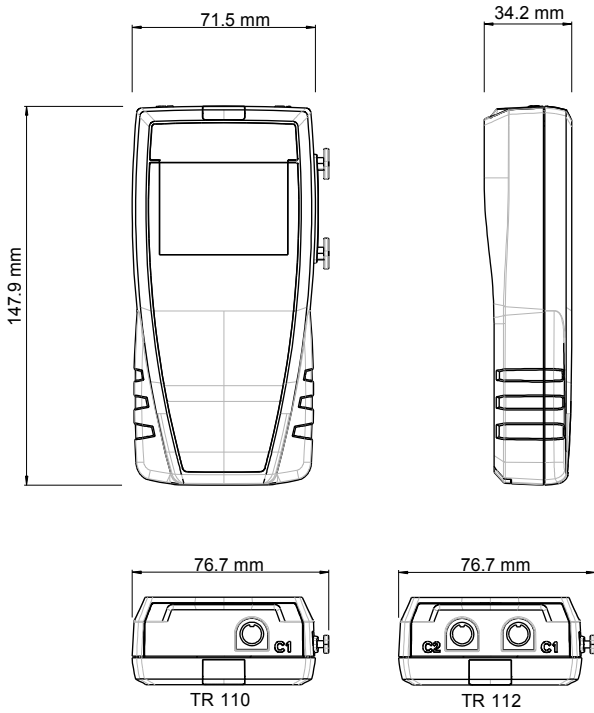
¹All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with required compensation.

FUNCTIONS

- Selection of temperature units
- Adjustable alarms
- Hold function
- Display of minimum and maximum values
- Configurable auto shut-off
- Backlight
- Delta temperature (TR112)

*Except TR112 S

DIMENSIONS



OPERATING PRINCIPLES

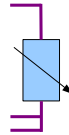
Thermometer : Pt100 probe

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 \approx 100 Ω

For 100°C \approx 138,5 Ω .

Platinum resistance



GUARANTEE

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

SUPPLIED WITH

- Instruments are supplied with :
- Calibration certificate*
 - Transport case (ref : ST 110)



*Except TR112 S

ACCESSORIES

CQ 15 : Magnetic protective housing



RTE : Telescopic extension, length 1m, with index at 90°

Pt100 temperature probe

Black ball \varnothing 150 mm with stuffing box for temperature probe \varnothing 4.5 mm. Other on request.

MT 51 : ABS transport case



MAINTENANCE

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

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