

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
European directives	2004/108/EC EMC ; 2006/95/EC Low Voltage ; 2011/65/EU RoHS II ; 2012/19/EU WEEE
Power supply	4 batteries AAA LR03 1.5 V
Battery life	180 hours
Ambience	Neutral gas
Conditions of use (°C, %RH, m)	From 0 to +50 °C. In non condensing conditions. From 0 to 2000 m.
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.

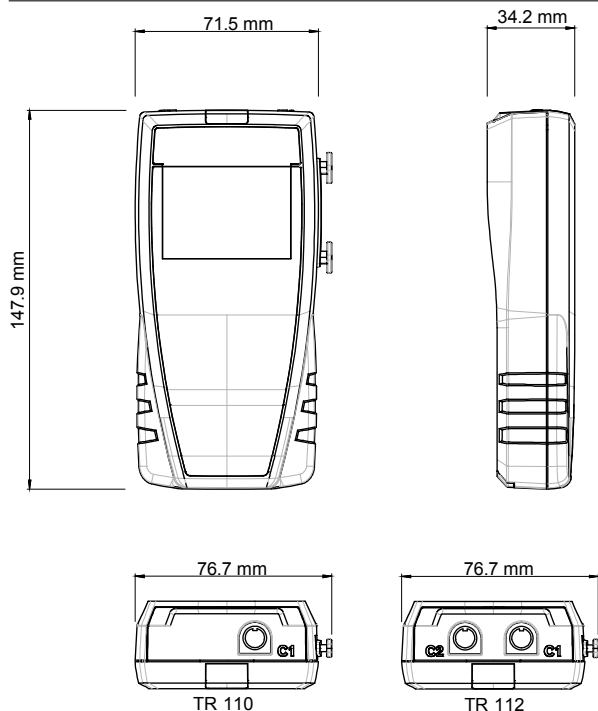
*Except TR112 S



FUNCTIONS

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

DIMENSIONS



OPERATING PRINCIPLES

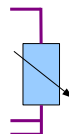
Thermometer : Pt100 probe

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 $0^{\circ}\text{C} \approx 100 \Omega$

For $100^{\circ}\text{C} \approx 138,5 \Omega$.

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 $\varnothing 150 \text{ mm}$ with stuffing box for temperature probe $\varnothing 4.5 \text{ mm}$. 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.

www.kimo.fr

Distributed by :



EXPORT DEPARTMENT

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr

OneTemp[®] Pty Ltd
MEASURE | CONTROL | RECORD
www.onetemp.com.au
1300 768 887