

DATA SHEET

TR 61 - TR 62

Pt100 Thermometers



- Adjustable alarms
- Adjustable backlight
- Hold-min-max function
- Selection of temperature units
- Display of minimum and maximum values
- Configurable auto shut-off
- Delta temperature (TR62)

Probe(s) not included, sold separately

Technical specifications

Measuring element	Pt100 class A
Number of channels	TR61: 1 channel / TR62: 2 channels
Display	4 lines, LCD technology. Size: 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	2014/30/EU EMC; 2014/35/EU 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

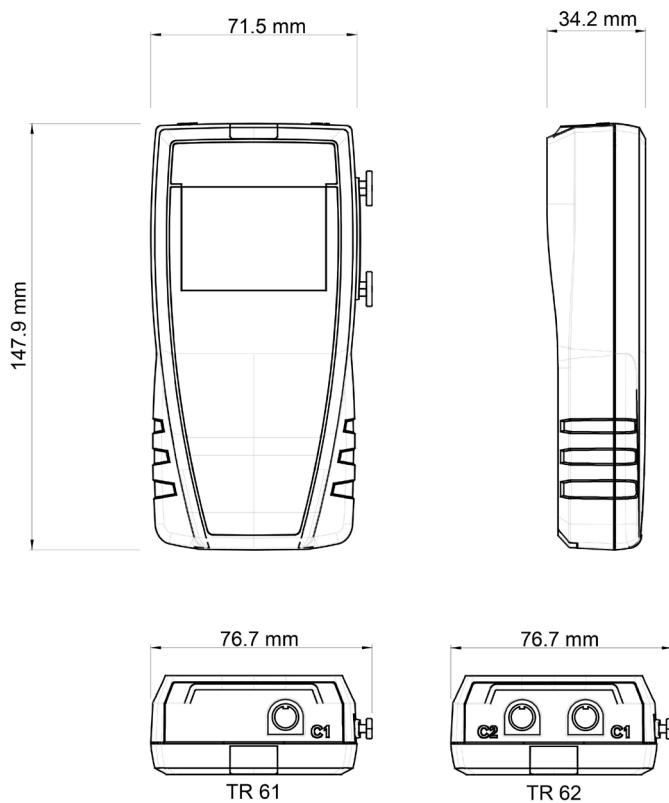
Specifications

Pt100 probes (see related data sheet)

Measuring units	Measuring range	Accuracy ¹	Resolution
°C, °F	From -100 to +400 °C	±0.4% of reading ±0.3 °C	0.1 °C

(1) 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.

Dimensions



Kit content

Instruments are supplied with an adjustment certificate.

Accessories

Description	Reference
Magnetic protective housing	CQ 15
Telescopic extension, length 1m, with index at 90°	RTE
Pt100 temperature probe	-
Black ball Ø150 mm with stuffing box for temperature probe Ø4.5 mm. Other on request.	-
Transport case	ST 110
Calibration certificate	-

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.

Precautions for use

Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the device.

Operating 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.

Platinum resistance

