

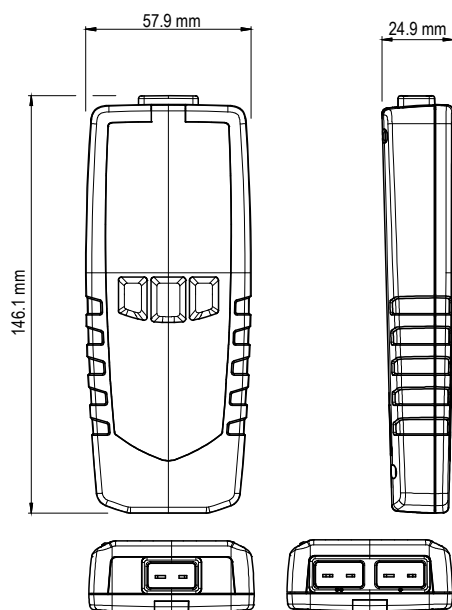
THERMOCOUPLE THERMOMETERS

TT 21 - TT 22

KEY POINTS

- Easy to use
- Selection of the thermocouple types K or T
- Hold, Min, Max, Delta T (TT 22) functions
- Configurable auto shut-off

FEATURES OF HOUSING



Material: ABS

Protection: IP54

Dimensions: 146.1 x 57.9 x 24.9 mm

Display: 1-line LCD screen
Dimensions: 41 x 41 mm

Weight: 200 g (with batteries)

Power supply: 3 AAA batteries (LR03 type)¹



With protective housing (option)

TECHNICAL FEATURES

Parameter	Temperature
Measurement units	°C, °F
Measuring range	K thermocouple: from -200 to +1300°C / T thermocouple: from -200 to +400°C
Device accuracies²	K thermocouple: from -200 to 0°C: ±0.4% of the reading ±0.5°C / from 0 to +999.9°C: ±0.5°C / from 1000 to 1300°C: ±1°C T thermocouple: from -200 to 0°C: ±0.4% of the reading ±0.5°C / from 0 to +400°C: ±0.5°C
Channel	TT 21: one K and T thermocouple channel TT 22: two K and T thermocouple channels
Connection	Female mini-thermocouple
Resolution	From -200 to +1000°C: 0.1°C / from +1000 to +1300°C: 1°C
Response time	According to the concerned probe
Operating temperature	From -20 to +70°C
Environmental conditions for use	Air and neutral gases. Humidity: in non-condensing conditions. Altitude: 2000 m max.
Storage temperature	From -40 to +85°C
Power supply	3 AAA batteries (LR03 type) ¹
Autonomy	2500 hours
European directives	2014/30/EU EMC; 2014/35/EU Low voltage; 2011/65/EU RoHS II; 2012/19/EU WEEE

¹ Only use trademark or high quality batteries in order to guarantee the announced autonomy.



² All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurement carried out in the same conditions, or carried out with calibration compensation.

SUPPLIED WITH

The instruments are supplied with 3 LR03 type AAA batteries and an adjustment certificate.

OPTIONAL THERMOCOUPLE PROBES

Many K or T thermocouple probes are available, as for example:

Probes	Measuring ranges	Accuracies*	T ₉₉ response time
Ambient probe 	From -40 to +80°C	Tc K: ±1.5°C	50 s
Contact probe with circular end 	From -20 to +150°C	TcK: ±1.5°C	20 s

Other probes are available under request. Please see the technical data sheet of temperature probes for portables.

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

ACCESSORIES IN OPTION

- AAA batteries
 - Anti-shock protective housing (Ref. CQT)
 - Calibration certificate
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MAINTENANCE

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

WARRANTY

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

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.
