Infrared thermometers
BALTECH TL-0208C, BALTECH TL-0212C, BALTECH TL-0215C

The infrared thermometers BALTECH TL «ThermaLine» Series are efficient devices for non-contact temperature measurement. With regard to the price/quality ratio our laser thermometers are the best devices to perform periodic service maintenance in all the industries. The portable infrared thermometers are designed to conduct distance temperature measurement in the range -50˚C…+1500˚C (-58˚F…+2732˚F). A field of view ratio is D:S=50:1.

The new non-contact thermometers C Series are widely used for temperature control and research investigations.
The measurement principle is based on the non-contact measurement of the object thermal radiation. The laser thermometers BALTECH TL Series have been used in metallurgy, power engineer, machine industry, building, railway and automobile transport, food industry for many years.

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This product line consists of three models: BALTECH TL-0208C, BALTECH TL-0212C, BALTECH TL-0215C. All our infrared thermometers are simple to use. They do not require any special training.

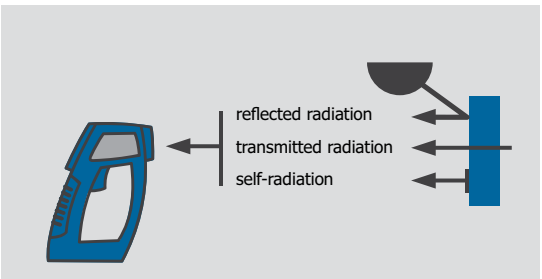
The distance infrared thermometers BALTECH TL Series have the following advantages:

- Unique design of the infrared thermometer and packing
- Ergonomic housing made of dustproof, shock resistant ABS plastic
- New infrared detectors are more precise and long life
- Precision optics (lenses) enables to work under elevated humidity conditions
- Interference immunity
- Error reduction is achieved by the newest processors
- Adjustable emissivity
- Threshold level setting
- Minimum delivery time

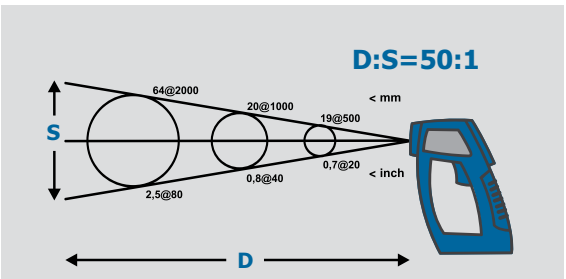
The field of view (FOV) ratio of the non-contact infrared thermometer BALTECH TL

The field of view ratio is the angle of vision at which the infrared thermometer operates, and is determined by the optics of the lens. The FOV is the ratio of the distance from the target to the target diameter. The FOV of this infrared thermometer is 50:1.

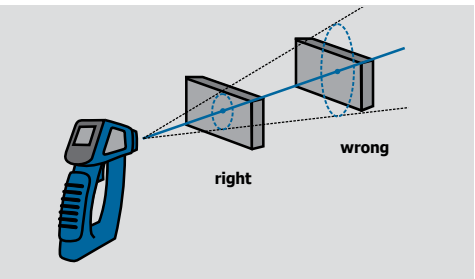
Operation principle



Field of view ratio



Measurement zone



We offer all our dealers a flexible discount system, favorable delivery terms and fast delivery

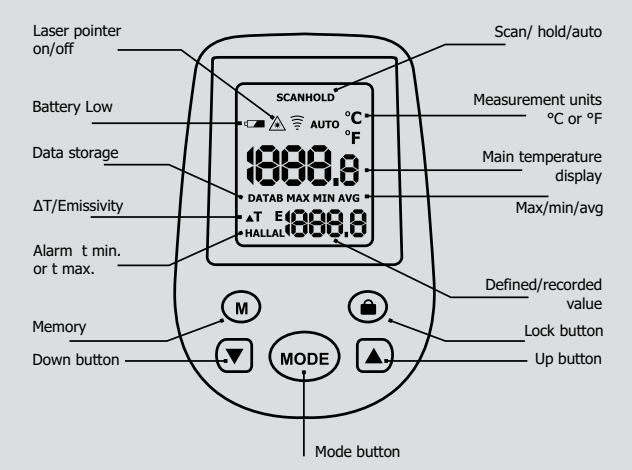
BALTECH TL technical characteristics

Technical characteristics	
Temperature measurement range, °C (°F)	
BALTECH-TL 0208C	-50 …+800°C (-58…+1472°F)
BALTECH-TL 0212C	-50 …+1000°C (-58…+1832°F)
BALTECH-TL 0215C	-50 …+1500°C (-58…+2732°F)
Maximum permissible error, %	
- In the temperature range -50… -20°C (-58…-4°F)	±3°C (±5°F)
- In the temperature range -20… +100°C (-4…+212°F)	±2°C (±3°F)
- In the temperature range +100… +800°C (+212…+1472°F)	±2%
Setting time, sec	0.5
Repeatability, °C (°F)	±1°C (±2°F)
Resolution, °C (°F)	0.1°C (0.1°F)
Field of view ratio	50:1

Technical characteristics	
Supply voltage, V	9
Operating temperature range, °C (°F) - Relative humidity%	0...50°C (32...132°F) 10~90% RH
Auto shutdown	Yes, ~ 6 sec
Laser pointer	Yes switchable
Backlight	Yes
Memory	Yes, 10 points
Measurement of max/min/avr/ΔT	Yes
Sound alarm at reaching the defined temperature	Yes
Display of the defined current temperature	Yes
Dimensions, mm	200x127x47
Weight, g	~ 330

LCD and control panel

The measured values and operation modes of the infrared thermometer are displayed on the LCD. The device control is performed with the button control panel.
The functions of the display fields and control buttons are shown on the figure.



Delivery set:

Infrared thermometer	1
Operation manual	1
Battery	1
Strap	1
Case	1
Packing	1

Seminar «Reliability technologies» Germany (Lubeck)

We invite technical specialists to attend the seminar «Reliability technologies», which is held for specialists on quality, service engineers, mechanical engineers and power engineers, who are responsible for the reliability of machines and industrial equipment.

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