

KIRAY 100

Infrared thermometer



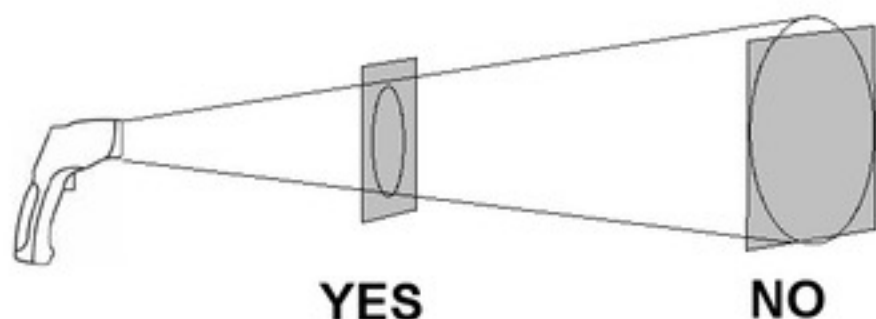
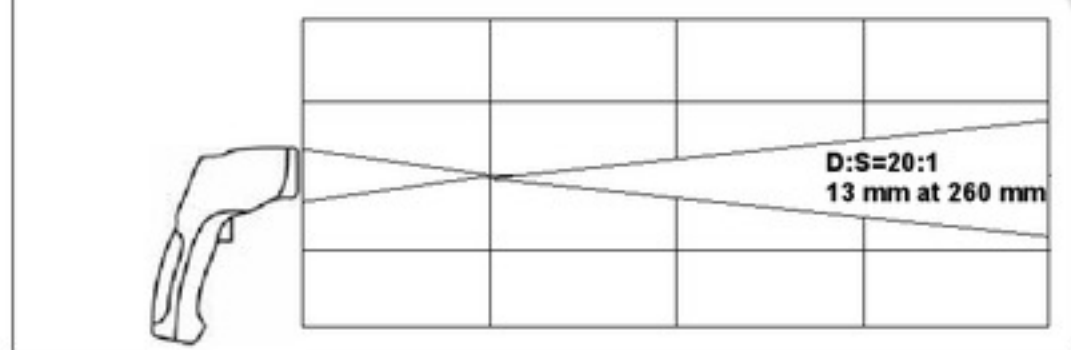
Infrared thermometer KIRAY 100 equipped with a dual laser sighting is a key instrument to diagnose, inspect and check any temperature, with the advantage of using a "no-contact" technology. You can measure safely surfaces temperatures of warm and dangerous objects or objects with uneasy access. It's the perfect tool for measurements in a house, a garage, a workshop, a kitchen, etc...

Technical features

Spectral response.....	8 - 14 μ m
Optical.....	D.S : 20:1 (13 mm at 260 mm)
Temperature range.....	From -50 to +800°C
Accuracy*.....	From -50 à +20°C : $\pm 2.5^\circ\text{C}$ From +20 to +300°C : $\pm 1\%$ of reading $\pm 1^\circ\text{C}$ From +300°C to +800°C : $\pm 1.5\%$
Infrared repeatability.....	From -50 to +20°C : $\pm 1.3^\circ\text{C}$ From -20 to +800°C : $\pm 0.5\%$ or $\pm 0.5^\circ\text{C}$
Display resolution.....	0.1°C
Response time.....	150 ms
Emissivity.....	Adjustable from 0.10 to 1.0 (pre-set at 0.95)
Over range indication.....	Display indication : « ---- »
Dual laser sighting.....	Wave length : from 630 nm to 670 nm Output < 1mW, Class 2 (II)
Positive or negative temperature indication.....	Automatic (no indication for a positive temperature) (-) sign for a negative temperature
Display.....	4 digits with LCD backlight display
Auto-extinction.....	Automatic after 7 seconds of inactivity
High/low alarm.....	Flashing signal on display and beep signal with adjustable thresholds
Power supply.....	Alkaline 9V battery
Autonomy.....	105 h (inactive laser and backlight) 20 h (active laser and backlight)
Use temperature.....	From 0 to +10°C for a short period From +11 to +50 °C for a long period
Storage temperature.....	From -10°C to +60°C
Relative humidity.....	From 10 to 90%RH in operating mode and > 80%RH in storage
Dimensions.....	145 x 95 x 40 mm
Weight.....	180 g (included battery)

Distance from the target

Distance	254	260	508	mm
Diameter	12.7	13	25.4	mm



Make sure that the target is larger than the size of the laser sighting.

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