

# KIRAY 300

## Infrared thermometer



Infrared thermometer **KIRAY 300** is a thermometer used to diagnose, inspect and check any temperature. Thanks to its elaborated optical system with a dual laser sighting, it allows easy and accurate measurements of little distant targets. The **KIRAY 300** instrument has an internal memory which can save up to 100 measurements. Compatible with thermocouple K probe.



Supplied with thermocouple K probe

### TECHNICAL FEATURES

#### • Instrument features

Spectral response	8 -14 $\mu$ m
Optical	D.S : 50:1 (50.8 mm at 2540 mm)
Response time	150 ms
Temperature range	From -50 to +1850 $^{\circ}$ C
Accuracy*	From -50 to +20 $^{\circ}$ C : $\pm 3$ $^{\circ}$ C From +20 to +500 $^{\circ}$ C : $\pm 1\%$ $\pm 1$ $^{\circ}$ C From +500 to +1000 $^{\circ}$ C : $\pm 1.5\%$ From +1000 to +1850 $^{\circ}$ C : $\pm 2\%$
Infrared repeatability	From -50 to +20 $^{\circ}$ C : $\pm 1.5$ $^{\circ}$ C From +20 to +1000 $^{\circ}$ C : $\pm 0.5\%$ or $\pm 0.5$ $^{\circ}$ C From +1000 to +1850 $^{\circ}$ C : $\pm 1\%$
Display resolution	0.1 $^{\circ}$ C
Emissivity	Adjustable from 0.10 to 1.00 (pre-set at 0.95)
Over range indication	Display indication : « ---- »
Dual laser sighting	Wavelength : 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	3 lines, 4 digits with backlighted display LCD
Auto-extinction	Automatic after 7 seconds of inactivity
High/low alarm	Flashing signal on display and beep signal with adjustable thresholds
Power supply	Alkaline 9 V battery
Autonomy	95 h (inactive laser and backlight) 15 h (active laser and backlight)
Use temperature	From 0 to +10 $^{\circ}$ C for a short period From 11 to +50 $^{\circ}$ C for a long period
Storage temperature	From -10 $^{\circ}$ C to +60 $^{\circ}$ C
Relative humidity	From 10% to 90%RH in operating mode and >80%RH in storage
Dimensions	200 x 140 x 50 mm
Weight	320 g (included battery)
Memory	100 temperature values

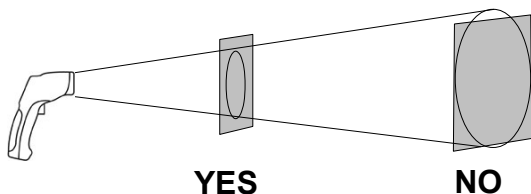
\*Accuracy for an ambient temperature from 23 to 25  $^{\circ}$ C (with a relative humidity lower than 80% RH)

#### • Thermocouple K probe features

Temperature range	From -40 to +400 $^{\circ}$ C
Display range	From -50 to +1370 $^{\circ}$ C
Resolution	0.1 $^{\circ}$ C
Accuracy	$\pm 1.5\%$ of reading $\pm 3$ $^{\circ}$ C
Cable length	1 m

### DISTANCE FROM THE TARGET

Distance	1270	2540	3810	mm
Diameter	25.4	50.8	76.2	mm



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