

KEW ACCESSORIES

Portable Infrared Thermometer

5500

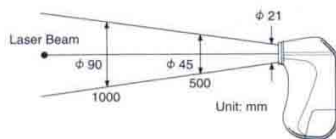
CE



Features

- Simple temperature measurement from -40°C to 500°C
- Laser sight pinpoints measured spots.
- Automatic-backlight LCD display at dark places by a brightness sensor.
- Palm size, lightweight 180g only.
- Automatic power off for saving battery life.
- Maximum or minimum temperature display.
- Audible buzzer high alarm standard.
- Emissivity adjustable from 0.30 to 1.90 in 0.01 steps.

Distance to Spot Size



Waterproof handheld Infrared Thermometer

5510

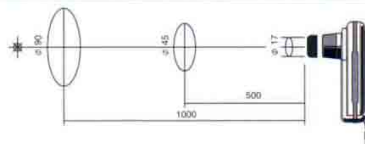
CE



Features

- Safe even if getting wet. Dustproof and waterproof structure of IP67. Possible to wash
- Please feel secure to use the product on the spot, made from ABS resin of antibacterial specification.
- Shock-proof structure: No damage even if dropped from the height of 1m.
- With auto-power-off function, preventing consumption of the battery
- Wide Temperature Range of -40°C to 300°C
- Small and light: Possible to measure easily by one hand.
- Portable type: Convenient to carry

Relation of Distance and Measuring Diameter



Model 5500 is non-contact infrared thermometer with laser sighting.

Specifications

MODEL	Model 5500
Ranges	-40°C ~ 500°C
Detecting Element	Thermopile
Spectral Range	8~14 μm
Measuring Diameter	ϕ 45 at a distance of 500mm
Measuring Accuracy	$\pm 1\%$ rdg $\pm 2^{\circ}\text{C}$, whichever is the greater at an ambient temperature of 25°C
Repeatability	Within $\pm 1^{\circ}\text{C}$
Response Time	0.8 second (90% response)
Collimation	Laser beam marks the center of the area measured
Beam Diameter	5mm approx.(at a distance of 1m)
Beam Output	Less than 1mW, 670nm, IEC Class2
Display Indications	Current reading, Maximum, Minimum, Reading Hold, Emissivity, Alarm Point, Low Battery
Auto Power Off	Automatically shuts power off if no key is pressed for 30 seconds
Alarm	Upper limit alarm with a beeper Lower limit alarm, optional
Emissivity Correction	Selectable from DARK(0.95), BRIGHT(0.80) and FREE(variable between 0.30 and 1.90, initial value is 1.00)
Display Illumination	Automatic back light
Power Source	LR6(1.5V) \times 2
Battery Life	approx. 60 hours for continuous use
Dimensions	142(L) \times 81(W) \times 32(D)mm
Weight	180g approx.
Accessories	LR6 \times 2 Soft Vinyl Case Instruction Manual



Caution

- Please do not aim or direct laser toward faces.
- On measurement of targets like as glossy metal, be careful with influences by the reflection from it.

Specifications

MODEL	Model 5510
Measuring Range	-40°C to 300°C
Display Resolution	0.5°C , 1°C for below -20°C and over 100°C
Measuring Accuracy	When the ambient temperature is $25 \pm 2^{\circ}\text{C}$ and the emissivity (E) is 1, 0 to 300°C : bigger value of either of $\pm 1\%$ of the measured value $\pm 1\text{dgt}$ or $\pm 2^{\circ}\text{C} \pm 1\text{dgt}$. 0 to -30°C : $\pm 3^{\circ}\text{C} \pm 1\text{dgt}$ below -30°C : $\pm 5^{\circ}\text{C} \pm 1\text{dgt}$
Repeatability	within $1^{\circ}\text{C} \pm 1\text{dgt}$
Response	1 sec(90% response)
Measuring Diameter	(45mm/500mm)(Optical sensitivity: 90%)
Collimation	Before shipment: 0.95. The value can be altered between 0.8 and 1.0 with the slide switch at the lower part of the battery compartment(by 0.05 steps). Laser beam(650nm 1mW JIS class2)specifies the center.
Water-Proof Property	IP67
Auto Power Off	If no key is pressed for 30 seconds, the power is shut off automatically.
Shock Proof Property	This instrument or its function/performance will not be damaged even if it is dropped on the p tile floor from 1 meter high
Operating Temperature	0 to 50°C
Operating Humidity	90% rH and below(no condensation)
Storage Temperature	20 to 55°C (no condensation)(Note): In the case of longterm storage, the batteries should be removed.
Battery	2 AAA alkali cell batteries
Battery Life	Approximately 10 hours for continuous use
Housing material	ABS(antibacterial)
Dimension	120 \times 60 \times 54mm(Maximum value for each direction)
Weight	Approx. 123g
Accessories	2 AAA alkali cell batteries, instruction manual, strap
Approved Standard	CE marking:EMC EN61326 Class B, EMS EN61326 Annex C Stability: $\pm 5^{\circ}\text{C}$ under EMC test environment at 25°C

Caution

- 5510 is one of the portable, laser applied instruments which are regulated by the consumer product safety law.
- Do not look into the laser beam.
- Do not aim the laser beam at human beings.
- Keep the instrument out of children's reach.

