

KEW ACCESSORIES

Portable Infrared Thermometer

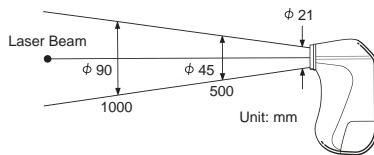
5500



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



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~ $14\mu\text{m}$ |
| Measuring Diameter | $\phi 45$ at a distance of 500mm |
| Measuring Accuracy | $\pm 1\% \text{rdg} \pm 2^{\circ}\text{C}$, 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.

Waterproof handheld Infrared Thermometer

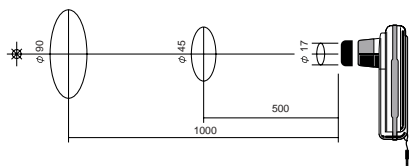
5510



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



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 (ϵ) 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 alkaline cell batteries, instruction manual, strap |
| Approved Standard | CE marking:EMI 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.

