

LAKELAND

INFRARED THERMOMETER

INSTRUCTION BOOKLET



Model: 74476

PRODUCT FEATURES

1. Infrared sensor
2. Laser pointer beam
3. Backlit LCD display
4. °C/°F select key
5. MAX/MIN select key
6. Laser and backlight select key
7. Measurement trigger
8. Battery cover
9. Handle



SAFETY PRECAUTIONS

- Use extreme caution when the laser beam is switched on.
- **DO NOT** aim thermometer at people or animals, and never point laser into eyes.
- Be careful around reflective surfaces, making sure the beam does not reflect into your eye.
- **DO NOT** allow the laser light beam to impinge on any gas that could explode.



SPECIFICATIONS

Range	Resolution	Accuracy
-50°C to 0°C (-58°F to 32°F)	0.1°C/°F	±4°C/±7°F
0°C to 550°C (32°F to 1022°F)		± 2% of reading or ± 2°C/±4°F

NOTE:

Accuracy:

Is given at 18°C to 28°C (64°F to 82°F) less than 80%RH.

Emissivity:

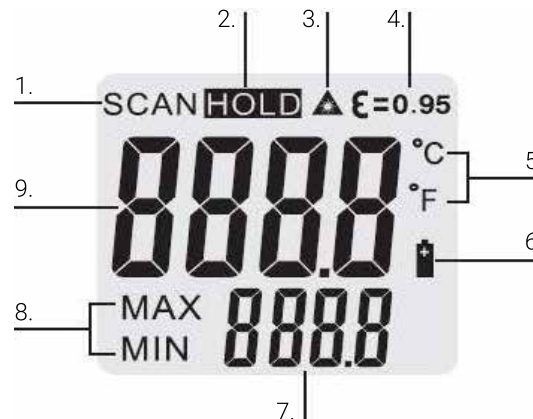
0.95 fixed value.

Field of View:

Make sure that the target is larger than the unit's spot size. The smaller the target, the closer you should be to it. When accuracy is critical, make sure the target is at least twice as large as the spot size.

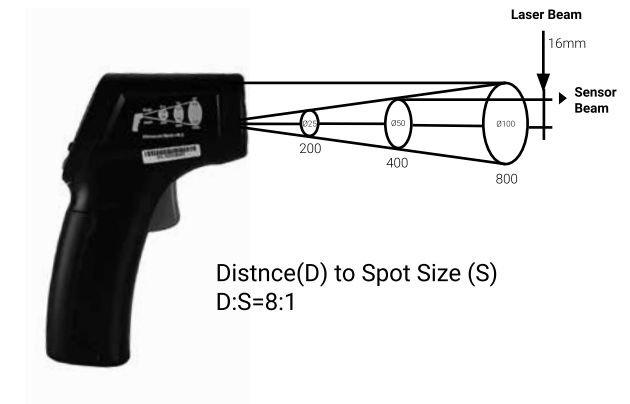
INDICATOR

1. Measuring indication
2. Data hold
3. Laser point
4. Fixed emissivity (0.95) scan symbol
5. Temperature °C / °F
6. LOW battery indicator
7. MAX/MIN readout
8. MAX/MIN symbol
9. Digital readout



FIELD OF VIEW

The Infrared Thermometer's field of view is 8:1, meaning that if the Infrared Thermometer is 8 inches away from the target, the diameter of the object under test must be at least 3cm (1"). Other distances are shown in the field of view diagram.



MEASUREMENT OPERATION

1. Hold the thermometer by its handle and point towards the surface to be measured, to switch on just pull and hold the trigger. The display will then light up (if it doesn't the battery may need replacing)
2. While measuring, the SCAN display icon will appear in the upper left hand corner of the display.
3. When you press the trigger and release quickly it switches on the backlight and when you press the trigger and hold it down it switches on the laser.
4. Release the trigger and the HOLD display icon will appear on the LCD, indicating that the reading is being held. The thermometer will then power off approximately 8 seconds after the trigger is released.


REMINDERS

- Not recommended for measuring shiny or polished metal surfaces (stainless steel, aluminium, etc.)
- The thermometer cannot measure through transparent surfaces such as glass, it will measure the surface temperature of the glass instead.
- Steam, dust, smoke etc., can prevent accurate measurement by obstructing the thermometer's optics.

BATTERY REPLACEMENT



BATTERY REPLACEMENT INSTRUCTIONS

1. If the product stops working the battery may need replacing.
2. LCD will display "  " when the battery is needing to be replaced.
3. The thermometer requires a 9-Volt (9V) battery.
4. When replacing the battery ensure the product is switched "off".
5. To replace, flip open the battery cover, take the battery out
6. Place in 1 new battery (9V./6LR61) with correct polarity(+/-)
7. Replace the battery cover.

BATTERY SAFETY GUIDELINES:

- Be sure to insert battery correctly (+/-).
- Batteries should be replaced by an adult.
- Never dispose of batteries in fire as this may cause them to explode, or attempt to disassemble the battery.
- Only batteries of the same or equivalent type as recommended are to be used.
- Do not charge non-rechargeable batteries.
- Always remove exhausted or dead battery from the product.
- Remove the battery from the product, if not going to be used for a long time.
- Ensure the battery compartment is secure.
- If the battery compartment doesn't close securely, stop using the product and keep it away from children.
- Safely dispose of old batteries in a suitable recycling facility.
- Batteries are harmful if swallowed.
- If you think that batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- KEEP OUT OF REACH OF CHILDREN.

Meas. Ranges	-50°C to 550°C/-58°F to 1022°F
Response Time	Less than 1 second
Over Range Indication	LCD will show "-----"
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity.
Emissivity	0.95 fixed value
Field of View	D/S=Approx. 8:1 ratio(D=distance, S=spot) (Has 90% encircled energy at the focal point)
Diode Laser	Output <1mW, Wavelength 630~670nm, class 2 (II) Laser product
Spectral Response	6~14um
Power Off	Automatic shut off after approx. 8 seconds.
Operating Temp.	0°C to 50°C/32°F to 122°F
Storage Temp.	-20°C to 60°C/-4°F to 140°F
Relative Humidity	10%~90%RH operating,<80%RH storage
Power Supply	9V battery, NEDA 1640A or IEC 6LR61, or equivalent
Weight	180g.
Size	10 x 3.5 x 13.5mm



RECYCLING YOUR ELECTRICALS

The Waste Electrical and Electronic Equipment (WEEE) Directive requires UK distributors to maximise separate collection and environmentally friendly processing of WEEE.

UK distributors (including retailers) are required to provide a system which allows all customers buying new electrical equipment the opportunity to recycle their old items free of charge.

As a responsible retailer, we have met these requirements by offering all customers buying new electrical and electronic equipment free take-back of their old electricals on a like-for-like basis.



Lakeland
Alexandra Buildings, Windermere, Cumbria, UK LA23 1BQ
Tel: +44(0)15394 88100 lakeland.co.uk