



BT-62

IR THERMOMETER

OPERATION MANUAL

1. SAFETY RULES

- To ensure the device is used safely, follow the operation manual's safety and operating instructions. If the device is not used as described in this operation manual, the safety features of this device might be impaired.
- Do not look directly into the laser beam when the device is in use—permanent eye damage may result.
- Use extreme caution when operating the laser.
- Never point the device towards anyone's eyes.
- Keep out of reach of children.

2. INTERNATIONAL SYMBOLS



Important information
see manual



Laser device. Avoid towards
anyone's eyes

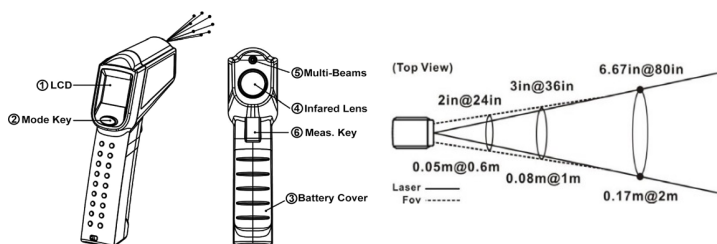
3. SPECIFICATIONS

Measurement Range	-50 to +460°C (-58 to +860°F)
Operating Range	0 to 50°C (32 to 122°F)
Accuracy (Tobj=15-35°C, Tamb=25°C)	±1.5°C (2.7°F)
Accuracy (Tamb. = 23±3°C)	Tobj=0~460°C: ±2.5% of reading or 2.5°C (4.5°F) whichever is greater Tobj=-50~0 °C: ±(2.5°C+0.05/°C)
Emissivity	0.95 fixed
Resolution	0.2°C/0.5°F
Response Time (90%)	1sec
Distance: Spot	12:1
Battery Life (Alkaline)	Typ.18 hours, minimum14 hours continuous use (with laser & backlight which is default set fixed ON)
Dimensions	114 x 162 x 40 mm (4.5 x 6.4 x 1.6 inch)
Weight	~180 g (6.3 oz.) including batteries (AAA*2pcs)

** The thermometer will automatically shut off if left idle for more than 15sec.

4. THERMOMETER DESCRIPTIONS

The Thermometer is a non-contact infrared thermometer and always with Real-Time Maximum (MAX) data. Please remember to keep away from children and not use them for safety-related applications.



5. OPERATION



WARNING

EMC/RFI: Readings may be affected if the unit is operated within radiofrequency electromagnetic field strength of approximately 3 volts per meter, but the instrument's performance will not be permanently affected.

5.1 Function Selection

Display	Function
	Aim the thermometer at the measure target with Lens (4) and press Meas. key (6) to display the surface temperature.
	During the measurement, the MAX reading will be displayed beside the MAX icon.
	The Distance:Spot is 12:1. Please make sure the target area is within the field of view.

5.2 Other Function Selection

°C of °F	Press Mode Key (2) for °C or °F transferred.
Backlight	LCD Backlight: Always on.
Laser	Class IIIa Laser: Always enable while measuring.
Memory	Recall the last reading memory by pressing Mode Key (2) while power off

5.3 LCD Error Messages

The Thermometer incorporates visual diagnostic messages as follows:

	'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds 0°C (32°F) or +50°C (122°F).
	The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.
	Error 5-9 , for all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance.
	'Hi' or 'Lo' is displayed when the temperature being measured is outside of the measurement range.

6. MAINTENANCE



CAUTION

BEFORE ATTEMPTING BATTERY REMOVAL OR REPLACEMENT, TURN THE THERMOMETER OFF.

6.1 Fitting and replacing the battery

The Thermometer incorporates visual low battery indication as follows:

	'Battery OK': Measurements are possible
	'Battery Low': Battery needs to be replaced. Measurements are still possible
	'Battery Exhausted': Measurements are not possible

1. When the 'Low Battery' icon indicates the battery is low, the battery should be replaced immediately with AAA, 1.5V batteries. Please note: It is essential to turn the instrument off before replacing the battery; otherwise, the Thermometer may malfunction.
2. Dispose of used battery promptly and keep away from children.
3. If the device is not used for a long time, turn the power off, remove and store the batteries in a cool, dry place.

6.2 Storage & Cleaning

The Thermometer should be stored at room temperature between -20 to +65°C (-4 to +149°F) and 85% of relative humidity with no condensation or less. The sensor lens is the most delicate part of the Thermometer. The lens should be kept clean at all times. Take care when cleaning the lens using only a soft cloth or cotton swab with distilled water or medical alcohol, allowing the lens to entirely dry before using the Thermometer. Do not submerge any part of the Thermometer

7. ACCESSORIES

The accessories contained inside the packaging are the following:

• English instruction manual	• 1.5V AAA battery x2
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8. SERVICE

8.1 Limited Warranty Conditions

This Thermometer is guaranteed against any material fault or manufacturer's defect under the general conditions of sale. During the warranty period (12 months from shipment date), faulty parts may be replaced, with the manufacturer reserving the right to repair or replace the product.

The customer pays the inward/outward transporter when returning the Thermometer to the after-sales service or a regional branch. The delivery must be agreed upon in advance with the consignee.

For delivery, indicate the reasons for returning it through an enclosed note as simple as possible. Use only the original packing.

Any damage caused by shipment using NOT the original packaging will be charged in any case to the consignor.

The manufacturer will not be responsible for any damage to persons/things.

The warranty does not apply to the following cases:

- Accessories and batteries are not included in the warranty.
- Unsuitable use of the Thermometer or combining the latter with incompatible Thermometer or accessories.
- Repairs resulting from incorrect shipping.
- Repairs resulting from servicing carried out by a person not approved by the company.
- Modifications to the Thermometer without explicit authorization from our technical department.
- Inappropriate applications are not provided for by the definition of the Thermometer or by the instruction manual.

The contents of this manual may not be reproduced in any form whatsoever without the manufacturer's authorization.

8.2 Before Calling Service

If the Thermometer should not work correctly, before contacting the DEALER OR THE SERVICE CENTRE, check the battery condition, etc. Change them if necessary.

If the Thermometer still does not work, check if your operating procedure agrees with the description in this manual.

**FOR TECHNICAL ASSISTANCE,
PLEASE CONTACT:**



Remarks: Due to our policy of continual product development, we reserve the right to amend the specifications of the mentioned products without notice.



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REV1.0/MAY22