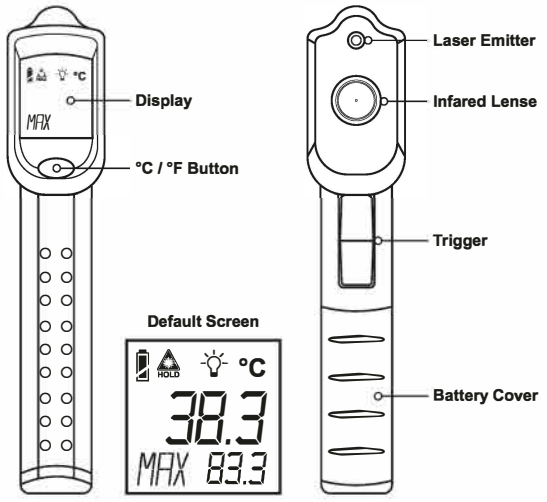
FAITHFULL®
QUALITY TOOLS

Digital Thermometer
Instructions

INTRODUCTION

This non-contact infrared thermometer can be used to safely measure the surface temperatures of hot, hazardous, or hard-to-reach objects by simply pointing the laser at the target and reading the LED display. The display simultaneously shows the present reading and the maximum reading since the thermometer was last activated in either Centigrade or Fahrenheit scales. This non-contact thermometer not only provides safety for the user but is fast in operation and highly accurate.



OPERATING INSTRUCTIONS

1. Aim the thermometer at the target to be measured, then pull and hold the trigger. The LCD back light will illuminate and a red dot will appear indicating the position of the sensor. This is the point at which the reading is being taken the and the display indicates the surface temperature of this target.
2. To stop the measurement just release the trigger, the last temperature reading will be held on the display and **"HOLD"** will appear as an indication.
3. During the measurement, the maximum temperature reading taken since the thermometer was last activated will be displayed beside the **"MAX"** icon.
4. When a reading is on **"HOLD"** it can be displayed in either the Centigrade or Fahrenheit scale. Press the **"C/F"** button to switch between the two scales.
5. Pull the trigger again if you wish to begin a new measurement.
6. The Distance: Spot is 8 :1. Please make sure the target area is within the field of view.

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:

Err — "Err" is displayed when the ambient temperature is lower than 0°C (32°F) or higher than +40°C (104°F).

Hi Lo — "Hi" or "Lo" is displayed when the temperature being measured is outside the measurement range.

SUPPLIMENTARY INSTRUCTION

°C/°F — Press the **"°C / °F"** button to switch between **°C** and **°F**.

When you pull and hold the trigger, the LCD backlight turns on.

Class II Laser (European Standard). When you pull the trigger to make measurement, the thermometer emits a laser beam.

BATTERIES

The thermometer incorporates visual low battery indication as follows:

Battery OK: measurements are possible.

Battery Low: battery needs replacing, however measurements are still available.

Battery Exhausted: measurements are not possible.

When the low battery icon " " appears on the display, the batteries should be replaced.

- Ensure that the thermometer has turned off before replacing the batteries, otherwise it may cause a malfunction.
- Slide the battery cover down to expose the batteries, remove and replace with new ones of the same type. Making sure that the polarity connections are correct replace the battery cover.

We recommend the use of Lighthouse Alkaline batteries with this product. Code number: **L/HBATAAA**

WARNING AND PRECAUTIONS

This product uses a Class II Laser (European Standard), which is activated when the trigger is operated to make a measurement.

1. When the thermometer is in use, do not look directly into the laser beam; otherwise permanent eye damage may result.
2. Use extreme caution **at all times** when operating the laser.
3. Never point the thermometer towards anyone's eyes, or directly into the sky.
4. Keep the thermometer out of reach of children **at all times**.

EMC / EMC / RFI

Readings may be affected if the thermometer is operated in an intense electromagnetic field, but the performance of the thermometer will not be permanently affected.

Specifications

Range:	-38 to +520°C (-36.4 to +968°F)
Operating Temp:	0 to 40°C (32 to 104°F)
Accuracy:	±2°C (4°F) or 2% of reading, whichever is greater
Spectral Response:	7.5 to 13.5µm
Emissivity:	0.95
Resolution:	0.1°C / 0.1°F
Response Time:	1s - 95% response
Distance : Spot:	8 : 1
Battery:	1.5V Battery / AAA or equivalent (2 Pieces)
Dimensions:	160 x 118 x 40mm
Weight:	~158g (including battery)

NOTE: The thermometer will automaticaly shut off if left idle for <15 sec.

STORAGE & CLEANING

The sensor lens is the most delicate part of the thermometer and should be kept clean all the time. Use a soft cloth or cotton swab with water or medical alcohol to clean the lens. Care should be taken during cleaning. Allow the lens to fully dry before using the thermometer. Do not submerge any part of the thermometer in liquid. When the thermometer is not in use, it should be stored at room temperature of -20°C to +50°C (-4°F to 122°F).

NOTE

1. This manual is subject to change without notice.
2. Faithfull tools take no responsibility for any personal injury, loss or damage caused by the impropriate or misuse of this product.
3. The contents of this manual cannot be used as the reason to use the meter for any other special application.

Every Faithfull electrical product is guaranteed for a period of one year, subject to the same exceptions as mentioned above. In the case of electrical products used for hire, the guarantree period is restricted to three months.

IMPORTANT SAFETY INFORMATION

It is essential that you read and understand the instructions contained in this manual before using the digital thermometer for the first time. Failure to follow these instructions could result in an electrical shock or possible damage to the meter or to the equipment under test. This manual should be stored safely for future reference.

DISPOSAL OF THIS ARTICLE

Dear Customer,
If you at some point intend to dispose of this article, then please keep in mind that many of its components consist of valuable materials, which can be recycled. Please do not dispose of this product it in the household waste bin, but check with your local council for recycling facilities in your area.

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