CAUTION

Repeated, deliberate exposure to the laser beam may not be safe.

- DO NOT look or stare into the laser beam as permanent eye damage could result.
- DO NOT direct the laser beam at any person's (or animal's) eyes as eye damage could result.
- BE AWARE that the reflections of the laser beam from mirrors or other shiny surfaces can be as hazardous as direct eye exposure.

recycle
When you have finished with this leaflet please recycle it

www.lasertools.co.uk

TOOL CONNECTION
The Complete Connection

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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186.** Normal wear and tear are excluded as are consumable items and abuse.

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LASER®

Part No: 6838

Mini Infrared Thermometer

Range: -50ºC - 280ºC

This device allows the user to take non-contact temperature measurements simply by pointing the meter and pressing a button.

Specifications:

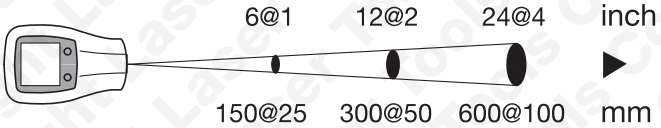
Display	3½ digit (2000 count) LCD display
Measurement Range	Temp: -50º - 280ºC (-58º - 536º F)
Power OFF	Auto shut-off after approximately 7-8 seconds
Operating Temperature	0º - 50ºC (32º - 122ºF)
Operating Humidity	Max: 80% relative humidity (RH)
Power Supply	2 X AAA 1.5V batteries
Weight	76g
Size	96.5 X 57 X 30mm
Ranges / Resolution	-50º - 280ºC (-58º - 536º F) / 1ºC/1ºF
Accuracy	± (2.5% of reading + 2ºC / 4ºF)
Accuracy Notes	1) Accuracy is given at 18ºC to 28ºC (64ºF to 82ºF), less than 80% RH. 2) Accuracy specified for emissivity of 0.95.
Emissivity	0.95 fixed
Distance Factor	Distance to Target Ratio: 6:1

Taking Measurements:
Point the device towards the object being measured then press and hold the Measure Button (F). The laser pointer will aid positioning of the measured area (this laser pointer can be switched on or off — refer to Fig 2). The LCD and backlight will turn ON and show the temperature being recorded (SCAN displayed on LCD). When the Measure Button is released the measured temperature figure will display for approximately 7-8 seconds until the device automatically switched off (HOLD displayed on LCD). The object being measured should be larger than the spot size (refer to Fig 1).

Measurement Considerations:
If the surface of an object to be measured is covered with frost, dust or other materials, clean this surface before accurate measurements can be made.

Highly Relective Surfaces:
If the surface of the object to be measured is highly reflective, apply masking tape or flat black paint to the surface as this has a fixed emissivity value.

Battery Replacement:
A flashing LCD display indicates that the batteries are low on voltage. Open the battery compartment at the rear of the device to access and replace the batteries (2 X AAA 1.5V batteries).



D:S - 6:1

Fig 1: Distance (D) to Spot Size (S)

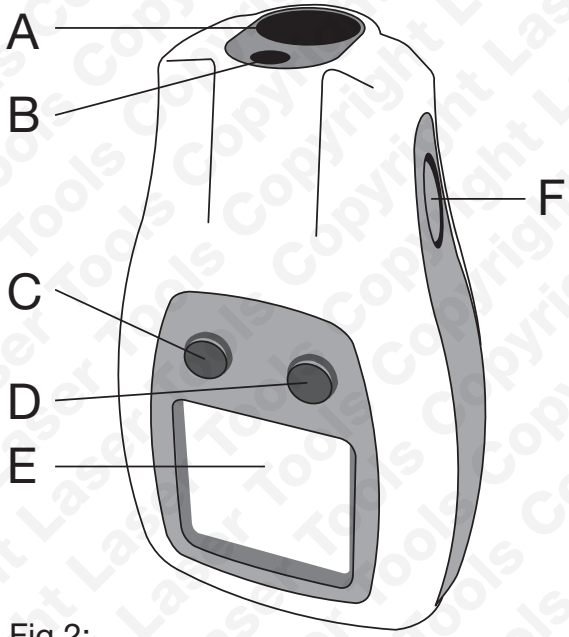


Fig 2:

A	IR sensor
B	Laser pointer emitter
C	Temp range selector (°C or °F)
D	Backlight (ON/OFF) and laser pointer (ON/OFF)
E	LCD display screen
F	Measuring button