

IR-B153  
PORTABLE INFRA RED THERMOMETER  
OPERATING INSTRUCTIONS

IR-B153 -has the infra red sensor on the remote handle.



**Note:** Infra red measurement is a surface measurement.

These instruments are designed for fast response readings of surface temperatures only, and should not be used where the core temperature is required.

Battery Fitting:

Open the Battery compartment, by removing the screw from the back of the Instrument and lifting off the cover. Insert one 9 Volt battery PP3 style (MN 1604 or equivalent), and connect to the PP3 terminals. It will only fit one way. Refit the battery compartment cover.

Operation:

Depress the button marked  to turn the Instrument ON and the button marked  to turn it OFF. When the instrument is on, pressing the ON button will operate the back light facility for approx. 5 to 6 seconds. There is an auto shut-off facility, which will turn the instrument off automatically after approx. 5 minutes. When the battery symbol appears on the display, the battery needs replacing. Fit new battery before taking any further readings.

Taking readings:

Switch the instrument ON and allow time for reading to stabilize. Point the Infra red sensor at the target surface to be measured, keeping distance between instrument and surface being measured as small as possible. The reading on the instrument should reach the correct temperature very quickly.

**Note:** A damaged or dirty lens will cause errors in temperature readings.

Ensure the lens is protected from:

- ~ Hard or sharp objects.
- ~ Dust or any other foreign substances

The lens may be cleared with a medical type cotton applicator soaked in a cleaning solvent.

Sensor or cable breakage:

If the "Err" message is shown on the display, this indicates that the probe has been disconnected. It could also indicate the probe, cable or plug have been damaged.

Environmental Specification:

Standard instruments are designed to be splash proof (IP64). All models can be supplied as waterproof (IP67), as an optional extra.

Warranty

This instrument has been carefully assembled and tested, and is warranted against faulty workmanship and materials for 24 months from the date of purchase. During the warranty period any defective instrument will be repaired or replaced at the discretion of the manufacturer. This warranty does not cover damage or failure resulting from misuse or accident. Modification, adjustment or any alteration with the internal arrangement of the instrument shall absolve the manufacturer from any liability in respect of the instrument. Any instrument to be repaired should be forwarded to the manufacturer, carriage paid and at the owner's risk. A brief description of the fault should be included.