

# EUROLEC INSTRUMENTATION LTD.

## IR SERIES PORTABLE THERMOMETER

### OPERATING INSTRUCTIONS

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The IR series of thermometers consists of two portable infra red, non-contact thermometers.

IR151- sensor is on top of the instrument.

IR152 - sensor is 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 two screws from the bottom of the Instrument and lifting off the cover.  
Insert one 9 Volt battery PP3 style (MN 1604 or equivalent), with terminals facing down. The orientation of the battery is not important; the instrument will work with the battery fitted either way.  
Refit the battery compartment cover

#### Operation:

Press the button marked ☉ to turn the Instrument ON and the button marked ☉ to turn it OFF.

Point the Infra red sensor at the target surface to be measured. Keep distance between instrument and surface being measured as short as possible.

Allow time for reading to stabilise, it should reach the correct temperature very quickly.

When the instrument is on, pressing the ☉ ON button will operate the backlight facility for low light areas.

There is an auto shut -off facility, which will turn the instrument off automatically after approx. 2 minutes.

When the battery symbol appears on the display, the battery needs replacing. Fit new battery, as per instructions above, before taking any further readings.

If the “Err” message is shown on the display, then there is over pressure applied or the sensor has been damaged.

**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 cleaned with a medical type cotton applicator soaked in a cleaning solvent

### 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 2 years 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.

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Please see other Pressure & Temperature instruments on the Eurolec web site  
**[www.eurolec-instruments.com](http://www.eurolec-instruments.com)**