

# EUROLEC INSTRUMENTATION LTD

## RT162 - PRECISION THERMOMETER

### OPERATING INSTRUCTIONS

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The RT162 precision thermometer can be operated by a PP3 9V battery or an external 9V DC regulated supply.

#### Battery Fitting

Open the Battery compartment, by lifting the battery drawer upwards as illustrated, then pull out.

Insert one 9 Volt battery PP3 style (MN 1604 or equiv.), as illustrated, so that the two battery terminals protrude from the drawer. The terminals will only protrude when the battery is inserted correctly. Push the drawer back into the battery compartment, it will only go in one way.

#### Probe Insertion

Insert the probe plug into the socket at the back of the Instrument, by aligning it up correctly, and screw in threaded coupling to secure in place.

**NOTE:** Probes must be handled with care.

- Do not twist the cable when connecting or disconnecting the plug as this may lead to damage within the plug.
- For safety, do not bring probe into contact with any surface connected to a hazardous voltage i.e. above 50Volts.
- Always ensure probes are used for the correct purpose, they should not be used to bore or lever openings in or between frozen matter for example.

#### Operation:

Switch the thermometer on, by the On/Off switch at the front of the instrument.

Apply probe tip to the surface being measured, and allow reading to stabilise.

When “LOW BATTERY” shows on the display, the battery needs replacing. No further readings should be taken until a new battery is fitted.

### Sensor or cable breakage:

If sensor, probe cable or plug are damaged, the instrument will display the figure “-1” on the left hand side of the display.

### Specification

Thermometer:  $\pm 0.02^{\circ}\text{C}$   $\pm 0.01\%$

Probe:  $\pm 0.03^{\circ}\text{C}$   $\pm 0.07\%$

### 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. If the tamperproof seal is broken, this will make the warranty void.

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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