

# MRH III

## MOISTURE AND HUMIDITY METER FOR THE PEST CONTROL INDUSTRY



### 3 MODES OF OPERATION:

Non-destructive testing of moisture content in wood, tracing moisture in wood based products and many other building materials such as bricks, plaster, ceramic tiles and laminates

Pin-probe plug-in attachment (optional) for moisture content in wood and an indication of moisture conditions in wood based products.

Relative humidity probe attachment (optional) for relative humidity and temperature measurement.

The Moisture and Relative Humidity MRH III is a hand-held digital moisture meter calibrated for most building materials. It also incorporates the optional plug-in relative humidity probe and heavy-duty pin type electrodes, ideal for in-depth detection of high levels of moisture associated with termite activity.



Product order code: MRH3

MRH III

## FEATURES

- Deep signal, non-destructive penetration up to 30mm (1 1/4") in wood and drywall in non-destructive mode.
- Detects moisture through paint, wall coverings, drywall, ceramic tiles, floor coverings, wood, roof coverings and most building materials.
- Hold function "freezes" meter reading when inspecting areas where the meter face is not visible.
- Audio signal sounds when meter indicates high readings.
- Large clear backlit digital display giving meaningful readings.
- Accuracy in very low moisture content readings and up to 55% moisture content readings in wood in non-invasive mode.
- Attachable pin-type probes for accessing hard to reach areas and for probing into wall cavities and wood. (optional)
- Attachable Relative Humidity probe for identifying areas of high RH, both ambient and in existing deep cavities, that may be conducive to wood destroying organisms. (optional)

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## PRODUCT DESIGN

The MRH III operates on the principal of non-destructive impedance measurement. Co-planar electrodes are fitted on the base of the instrument from which low frequency signals are transmitted into the material under test, measuring the change in impedance caused by the presence of moisture. This reading is translated by the instrument into a moisture content reading.

## HYGROMETER MODE

When the Tramex relative humidity probe is plugged into the MRH III, it automatically changes to Hygrometer Mode. The Tramex Relative Humidity probe provides the ideal solution for measurements of ambient relative humidity, temperature and dew point conditions within the building structure and in structural materials such as concrete flooring, walls etc.

## PEST CONTROL PROFESSIONAL KIT

A complete moisture and humidity testing kit for the Pest Control Professional allowing for non-destructive testing of multiple building material types, as well as pin type testing to identify Moisture Content in wood and wall cavities, and a Relative Humidity probe for identifying areas of high relative humidity, both ambient and in existing cavities, that may be conducive to wood destroying organisms.

## SPECIFICATIONS (meter only)

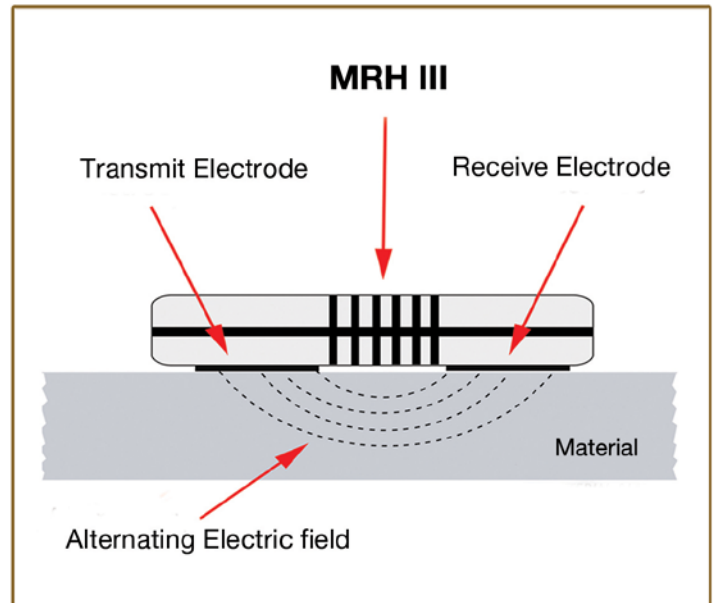
Size:	150mm x 85mm x 38mm (6" x 3.5" x 1.5")
Weight:	240g (8.47oz)
Construction:	ABS Body
Power:	9 volt PP3 Battery (included)
Display:	Digital / Backlit
Depth of penetration:	up to 30mm (1¼") (in wood, drywall)

## MEASURING RANGE

Reference scale for building materials	0 to 100
Relative Humidity (with optional Relative Humidity probe)	0 to 99%
Wood Non-invasive Mode	5 to 55 % ( at SG of 0.3 )
Wood Invasive Mode (with optional wood pin probes)	7 to 40 %



## HOW IT WORKS



Product order code: PCK5.1

### CONTENTS

- MRH III moisture and humidity meter.
- Handheld pin-type wood probe.
- 7" insulated pins for in-depth penetration.
- Relative Humidity probe.
- Infrared Thermometer.
- Optional extras available.