

moisture encounter

**NON-DESTRUCTIVE MOISTURE DETECTOR FOR
WOOD, FELT-ROOFING, DRY WALL, PLASTER AND BRICK**



- Uses low-frequency electronic signals.
- No probes or pins to cause surface damage.
- Detects moisture through paint, wall coatings, drywall, ceramic tiles, floor coverings, and roof coverings.

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How it Works



The Tramex **Moisture Encounter** detects moisture beneath the surface being tested by measuring the resistance between two low frequency signals transmitted from conductive pads on the base of the instrument. Since the resistance is decreased six fold by the presence of the moisture a clear accurate signal is achieved. The soft

conductive electrode pads on the base of the instrument run smoothly over the surface being tested and immediately identify moisture without scratching or drilling the surface. Simply select the appropriate scale, hold the Moisture Encounter to the surface and read directly from the meter.

SCALE 1

Timber

When testing timber, percentage moisture content by weight can be read directly from calibrated dial.

Readings up to 14% indicate that outdoor timber can be safely painted without danger of peeling.

Indoor timber should be 7-8% and therefore no meter reading should be obtained. The Moisture Encounter's signals penetrate the surface to locate dampness within the timber without scratching or drilling.

SCALE 2

Felt Roofing

Moisture trapped beneath the waterproof covering of a built-up felt roof can remain invisible while the structure underneath is deteriorating and excessive heat loss is taking place. Soon the waterproof layers crack and blister and a major re-roofing job is required. The Moisture Encounter penetrates the roof surface with non-destructive signals and immediately detects moisture. Puncturing and cutting the roof surface is not necessary.

The readings for felt roofing are comparative and are taken on the Relative range.

SCALE 3

Plaster and Brick

When testing plaster and brick the readings are taken on the Relative range. A dry reading indicates the surface is sufficiently dry for a safe application of paint or adhesives. A wet reading indicates excessive moisture - unsafe for paint.

Scale 3 is also used for detecting rising damp in walls. The signal will safely penetrate wallpaper, paint and other decorative finishes and will detect moisture not visible to the eye.

Note: The Moisture Encounter's signals will not penetrate aluminium foil or other conductive materials.

TECHNICAL DATA

1. Measuring method: non-destructive signal (impedance).
2. Display Analogue.
3. Electrodes: Coplaner conductive rubber.
4. Dimensions: 150 x 80 x 30mm (6 x 3.2 x 1.2 inches).
5. Weight: 260 grams (9 ounces) including battery.
6. Battery: 9 volts PP3 or equivalent.

GUARANTEE

All Tramex products carry a full satisfaction guarantee including; a one year warranty against defects in parts & workmanship, and a refund if the unit is returned in new condition within 30 days of original delivery. Proof of purchase is necessary.

TESTING

All Tramex instruments are rigorously tested before shipment to ensure long life under rough conditions.

U.S.A.

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