

# Concrete Moisture Encounter 4

for measuring moisture content ... instantly ... in concrete floors and floor screeds without the need to drill or damage the surface.



**Top Users :** Marley Tiles, LTA, Munters, Stonecor, Indufloor, Sika, Albert Carpets and SABS (CT) during building operations

The NEW CME 4 has been specifically designed for moisture in concrete & gypsum and now has a hold button. It complies with ASTM.E 1907-97.

The 95% confidence limit for moisture content is +/-0.5% per the test to the International Method for Concrete.

The detailed technical report has more information if you require.

## SCREEDS AND CONCRETE FLOORS MUST BE DRY BEFORE THE FLOOR COVERING IS INSTALLED

- Regular checking of moisture content during the drying out period of a new concrete floor or floor screed is important to ensure it has reached sufficient dryness to accept the floor covering.
- Excess moisture in the concrete could cause latent problems such as condensation or failure of the adhesive under the floor covering.
- The **Concrete Moisture Encounter** will give you an instant reading of moisture content up to 6% in concrete & 0 - 10 comparative on sand / cement (gypsum) screeds enabling you to make an informed decision on when to install the floor covering.
- To use, simply switch on and hold the instrument firmly against the surface. As many non-destructive tests as you need can be carried out in seconds without the need to drill or damage the concrete.

### How it works

Co-planer electrodes on the base of the Concrete Encounter transmit parallel low frequency signals calibrated to give average moisture content by comparing the change in impedance behaving damp and acceptably dry concrete

### Moisture questions

Is 5% Dry or Wet?

**Answer :** In wood it is very dry, in mortar / plaster it is fairly dry, in bricks it is damp and in concrete it is wet.

Building materials are immensely variable so that similar materials can be dry or wet at the same % moisture content depending upon their exact composition

### Specifications

Measuring Range:	From 0 to over 6% moisture content for Concrete. 0 to 10 comparative for Sand / Cement (Gypsum) floor screed
Depth of Penetration:	12.5mm Electronically
Size:	150 x 75 x 33mm
Weight:	298g
Construction:	Extruded Aluminium
Power:	9 volt PP3 Batteries
Display:	Analogue

## Features :

- Instant Readings
- Non-destructive in operation
- No need to probe or drill or mechanically damage the surface
- Reproducible results .
- Battery Operated .
- Pocket Sized
- Clear, easy to read analog dial
- Strong, robust, extruded aluminium body

## Product Design:

The Concrete Encounter is a hand-held electronic moisture meter operating on the principle of non-destructive impedance measurement parallel co-planer electrodes are mounted on the base which, during operation, transmit low-frequency signals into the concrete floor screed to a depth of approx. 12.5mm.

While concrete under normal conditions can never be completely dry, the instrument has been calibrated on acceptably dry material. In operation it compares the change in impedance caused by the presence of dampness and displays this on a clear, easy to read analog dial.

## Operating Procedure:

To carry out moisture tests simply brush any dust from a smooth area of concrete and also from electrodes, switch on the Concrete Encounter, place CME firmly onto the surface, fully compressing the spring loaded signal enhancing contacts on the base of the CME. Read the moisture content from the clear analog dial.

## Limitations:

- Will not give true readings through paint, coating, adhesive or floor covering. Electrodes must be in direct contact with concrete surface.
- Surface must be smooth and free from dust.

## Don't TAKE RISKS with excess moisture

Moisture test before you install a floor covering Excess moisture in concrete substrate can cause costly problems for the installer. Avoid the risk of having these problems and floor failures by testing for excess moisture before installing a floor. Test the fast, easy, clean and non-destructive way with

There's absolutely no surface damage and no waiting!

## DESIGNED FOR THE FLOORING INDUSTRY

Tramex has been designing, manufacturing and marketing worldwide, non-destructive moisture meters for more than 20 years. You can, therefore, purchase with confidence that you are getting the latest, and yet the most practical and useful, moisture measurement instrument available to the flooring industry.

If you are interested in the **Flooring Inspection Kit**, please note that it includes both the **Concrete Moisture Encounter** and the **Professional Moisture Meter**



Signals are transmitted into the Concrete