

# CME4

MOISTURE METER  
FOR CONCRETE

CONCRETE MOISTURE ENCOUNTER



Instant and non-destructive tests per international standard ASTM F2659 with the Tramex CME4, a handheld electronic instrument used for testing moisture content in concrete slabs and other floor screeds, featuring Carbide Method equivalent scales for concrete and anhydrite screeds. Precise and easy to use, the CME4 allows the user to make multiple tests over a large area in the shortest possible time.

Screeds and concrete floors must be dry before a floor covering is installed.

Don't take risks with excess moisture!

Moisture test before you install a floor covering.



Product order code : CME4

## FEATURES

- Clear easy-to-read analogue dial.
- CM Carbide Method moisture content equivalent readings.
- No need to probe, drill or mechanically damage the surface.
- Instant and precise readings to a depth of approx. 20 mm (¾") into the slab.
- Non-destructive in operation.
- Hold function "freezes" meter reading when inspecting areas where the meter face is not visible, and for easy recording of data.
- Reproducible results.
- Spring-loaded contact pins compensate for uneven concrete and boost signal penetration.



CME4-EU 05/14 Rev.1.1



CME4 Calibration check plate (CALCRH)



Non-destructive test



## PRODUCT DESIGN

The CME4 Concrete Encounter detects and evaluates the moisture conditions within the slab or screed by non-destructively measuring the electrical impedance. A low frequency electronic signal is transmitted into the material under test via the electrodes in the base of the instrument. The strength of this signal varies in proportion to the amount of moisture present in the material. The CME4 determines the strength of the current and converts this to a moisture content value for concrete slabs and a comparative value for other cementitious floor screeds, displayed on a large clear analogue dial.

## OPERATING PROCEDURE

To carry out tests simply brush any dust from a smooth area of concrete and also from the electrodes, switch on the Concrete Encounter CME4 and place it firmly onto the surface, fully compressing the spring-loaded, signal-enhancing contacts on the base. Read the moisture content from the clear analogue dial.

The CME4 is calibrated to give percentage moisture content readings on clean, bare dust free concrete floor slabs, with a depth of penetration of approx. 20 mm ( $\frac{3}{4}$ " ). Readings taken on concrete slabs through paint, coatings, adhesives or other materials on the surface should be regarded as qualitative or comparative and not quantitative.

## SPECIFICATIONS

<b>Size:</b>	150mm x 85mm x 38mm (6" x 3.5" x 1.5")
<b>Weight:</b>	279g ( 9.84oz)
<b>Construction:</b>	ABS Body
<b>Power:</b>	9 volt PP3 Battery (included)
<b>Display:</b>	Analogue
<b>Depth of penetration:</b>	approx. 20 mm ( $\frac{3}{4}$ " )

## MEASURING RANGE

<b>Moisture Content for Concrete :</b>	0 to 6%
<b>Carbide Method moisture content equivalent for Concrete :</b>	0 to 4
<b>Carbide Method moisture content equivalent for Anhydrite :</b>	0 to 1.9



## HOW IT WORKS

