

# CME XPERT II

COMPLETE  
MOISTURE  
AND HUMIDITY  
METER FOR  
FLOORING



Instant and non-destructive moisture content tests per ASTM F2659 with the CMEX II, a digital version of the CME4 handheld electronic moisture meter, designed for the instant and accurate measurement of moisture content in concrete slabs and giving comparative readings in other cementitious floor screeds. Incorporating plug-in ports for the optional Hygro-i® relative humidity probe and heavy-duty pin-type wood probes, this meter transforms into the ideal all-in-one instrument for the flooring professional.

## MEETING THE STANDARDS

For evaluating the moisture conditions of concrete and other slabs and screeds per ASTM F2659 (Non-destructive method) and relative humidity measurement to ASTM F2170 (In situ method) and ASTM F2420 (Hood Method).



Product order code: CMEX2

## FEATURES

- Measures up to 6.9% moisture content in concrete.
- Large clear backlit digital display.
- Hold function “freezes” meter reading when inspecting areas where the meter face is not visible, and for easy recording of data.
- Multi-language options.
- 7% to 40% Moisture Content measurement in Wood using Pin-type probe attachments. (optional)
- Attaches to a reusable relative humidity Hygro-i® probe for in situ testing of concrete per ASTM F2170 and F2420. (optional)
- Ambient conditions of relative humidity, temperature, dew-point and grains per pound, all shown simultaneously on one clear display. (using optional Hygro-i® probe)



ASTM F2170



ASTM F2420



ASTM F2659



## PRODUCT DESIGN

The CMEX II 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 CMEX II 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 digital dial.

## HYGROMETER MODE

When the Tramex Hygro-i<sup>®</sup> relative humidity probe is plugged into the CMEX II, the instrument automatically changes to Hygrometer Mode, allowing for in situ relative humidity (RH) testing of floor slabs per ASTM F2170 and ASTM F2420, as well as ambient conditions of temperature, relative humidity, dew-point and mixing ratios. This resilient probe is reusable and can be checked regularly for calibration.

## WOOD PIN-TYPE PROBE MODE

In Pin-probe mode the CMEX II is a resistance type pin meter for determining the moisture content of wood and wood based products. The CMEX II gives moisture content readings from 7% to 40% in wood. A species adjustment table and a temperature adjustment chart are supplied for precise readings in woods of varying densities and readings taken in various temperatures.

## SPECIFICATIONS (meter only)

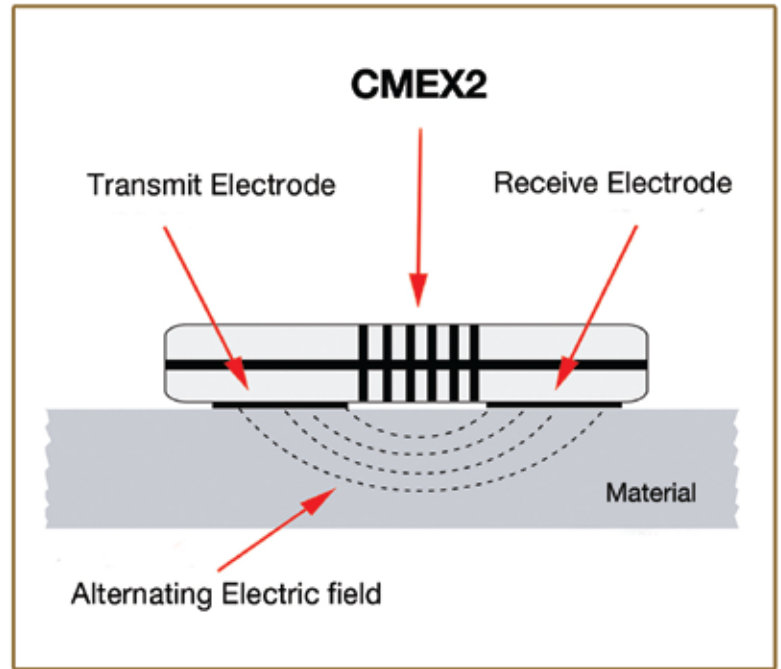
<b>Size:</b>	150mm x 85mm x 38mm ( 6" x 3.5" x 1.5")
<b>Weight:</b>	298 g (10.5oz)
<b>Construction:</b>	ABS Body
<b>Power:</b>	9 volt PP3 Battery
<b>Display:</b>	Digital / BACKLIT
<b>Depth of penetration:</b>	up to 1¼"

## MEASURING RANGE

<b>Moisture content for Concrete:</b>	0 to 6.9 %
<b>Comparative for Gypsum floor screed:</b>	0 to 10
<b>Reference scale:</b>	0 to 100
<b>Relative Humidity</b> (with optional Hygro-i <sup>®</sup> sensor):	0 to 99%
<b>Humidity accuracy:</b>	10% to 90%RH +/-1.8% @ 25°C / 77°F
<b>Moisture content for wood</b> (with optional wood pin probes):	7 to 40 %



## HOW IT WORKS



The CMEX II is included in the following Tramex kits:

- Concrete Inspection Kits
- Flooring Inspection Kits
- Roof Inspection Kits
- Water Restoration Drying Kits
- Indoor Air Quality Kits



[www.tramexmeters.com](http://www.tramexmeters.com)

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