CMEXPERT II

![Tramex - Innovation in moisture detection]

COMPLETE MOISTURE AND HUMIDITY METER FOR FLOORING

Instant and non-destructive moisture content tests per international standard ASTM F2659 with the CMEX II, a digital version of the CME4 handheld electronic moisture meter, designed for the instant and precise measurement of moisture content in concrete slabs, featuring a Carbide Method equivalent scale for concrete screeds 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 international standards ASTM F2659 (non-destructive method), and with the optional Hygro-i ® probe ('in situ' and 'hood' methods) relative humidity measurement to standards BS8201, 8203, 5325 & ASTM F2170.

Product order code: CMEX2

FEATURES

- Measures up to 6.9% moisture content in concrete.

- Non-destructive CM Carbide Method moisture content equivalent readings.

- 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 and hood testing of concrete per BS 8201, 8203, 5325 and ASTM F2170. (optional)

- Ambient conditions of relative humidity, temperature, dew point and grams per kilo, all shown simultaneously on one clear display. (using optional Hygro-i ® probe)

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 optional Tramex Hygro-i ® 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 BS 8201, 8203, 5325 and ASTM F2170, 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 by plugging in the optional handheld or hammer probe the CMEX II becomes 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)

Size:	150mm x 85mm x 38mm (6" x 3.5" x 1.5")
Weight:	319g (11.25oz)
Construction:	ABS Body
Power:	9 volt PP3 Battery (included)
Display:	Digital / Backlit
Depth of penetration in concrete:	approx. 20mm (¾")

MEASURING RANGE

Moisture content for Concrete:	0 to 6.9 %
Carbide Method moisture equivalent for Concrete :	0 to 4.3
Comparative for Gypsum floor screed:	0 to 10
Reference scale:	0 to 100
Relative Humidity (with optional Hygro-i ® probe):	0 to 99%
Humidity accuracy:	10% to 90%RH +/-1.8% @ 25°C / 77°F
Moisture content for wood (with optional wood pin probes):	7 to 40 %

HOW IT WORKS
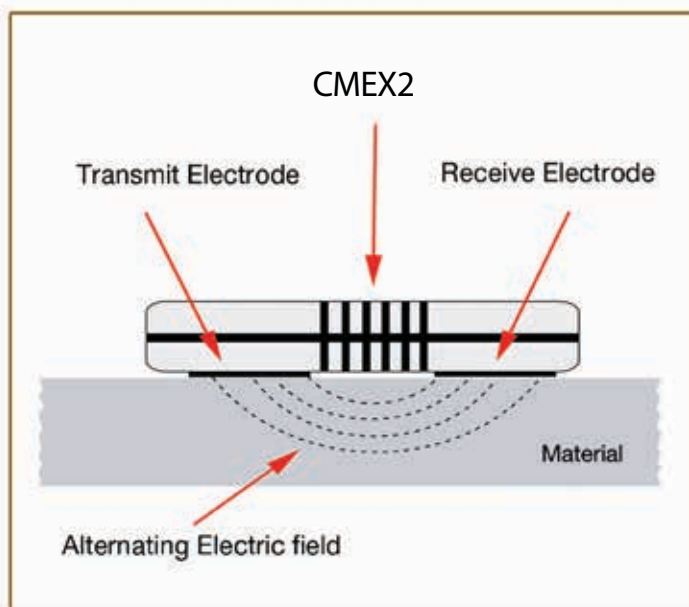
The CMEX II is included in the following Tramex kits:

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