

# CME<sup>X</sup>PERT II

## Concrete Moisture Meter

*For evaluation of moisture condition of concrete, gypsum cement and other slabs and screeds (as per **ASTM F2659**) and humidity measurement to **ASTM F2170** and **ASTM F2420***



- ✓ Measures to 6.9% Moisture Content in Concrete
- ✓ Instant Readings in Non-Destructive and Wood Probe modes
- ✓ Plug in Probe for Relative Humidity, Temperature, Dew-Point and Mixing Ratio readings
- ✓ Measures from 7% to 40% Moisture Content in Wood.



In-situ method ASTM F2170



ASTM F2420



Pin Probe Mode



CMEX Kit - available in different configurations





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## Concrete Moisture Meter

**TRAMEX**  
Quality you can depend on



### CMEXpertII - Concrete Moisture and Humidity Meter

The New Concrete Encounter **CMEXpertII** is a digital display version of the Tramex Concrete Encounter CME4 hand-held electronic impedance moisture meter. It operates on the principle of non-destructive impedance measurement. Parallel co-planar electrodes are mounted on the base which, during operation, transmit a low-frequency signal into the concrete floor. To carry out moisture tests simply brush any dust from a smooth area of concrete and also from electrodes, switch on the **CMEXpertII** and press to the surface to read the percentage moisture content. There is absolutely no surface damage and no waiting. Use to perform ASTM F2659.




### RELATIVE HUMIDITY (RH) PROBE Hygrometer Mode

When the Tramex **Hygro-i** relative humidity probe is plugged into the **CMEXpertII**, it automatically changes to Hygrometer Mode. The Tramex Hygro-i provides the ideal solution for measurements of ambient relative humidity, temperature and dew-point conditions within the building structure and in structural materials such as concrete flooring, walls etc. Humidity readings are displayed in both percentage relative humidity (%RH) and mixing ratio (grains/lb or grams/kg). The solid-state capacitive sensor in the RH probe gives accurate, fast results, allowing testing of concrete slabs to **ASTM F2170** (Insitu Method), **ASTM F2420** (RH hood method) & British Standards - **BS 5325** & **BS 8203**.



### WOOD MOISTURE PIN PROBE Pin-type Resistance Mode

PIN PROBE mode is extremely easy to use. Simply select the Pin Probe using the  key on the **CMEXpertII** instrument. Insert either the Tramex hand probe or hammer probe directly into the socket at the top of the instrument. The pin probe gives accurate readings in 0.1% increments over the entire measurement range. Readings are displayed on the LCD of the **CMEXpertII**. The pin probe offers a practical and accurate way of determining that wood is at the correct moisture level for its intended use. (The picture shows HH14TP30 & HA21SP52)



### CMEXpert Concrete Inspection Kit

The complete **CMEXpertII** Kit comes in a carrying case with die-cut foam lining and contains the following: **CMEXpertII**, Hygro-i relative humidity probe, Hygro-i sleeve pack, Calibration Salt, Hygro-i Electronic Interface, Accessory pack ( brush, cutter, ruler, probe insertion & retrieval tool ) and Infrared thermometer.

**Kits are available in different configurations. Call for details.**

#### Dimensions and weight:

- Dimensions of carrying case: 43cm x 33cm x 10cm (17.0" x 14.0" x 4.0")
- Weight of complete kit: 3.40 kilos (7.5pounds).
- Weight of complete kit in packing carton: 3.5 kilos (7.70 pounds).

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### Measuring Range:

- 0 to 6.9 % - Moisture content for Concrete
- 0 to 12 - Comparative for Gypsum floor screed
- 0 to 100 - Reference scale

FOR MORE INFORMATION ON THE ABOVE KIT OR ANY OF THE TRAMEX RANGE OF MOISTURE MEASUREMENT AND DETECTION INSTRUMENTS PLEASE CALL, FAX, E-MAIL OR WRITE TO :

U.S.A. & Canada - TRAMEX LIMITED c/o Black Hawk Sales Inc.,  
4901 Fox Ridge Court, Fort Collins, CO 80524, Tel: 970 488 1898  
Fax: 877 525 9279 E-mail: [sales@tramexltd.com](mailto:sales@tramexltd.com), [www.tramexltd.com](http://www.tramexltd.com)

TRAMEX LIMITED Station House, Shankill Business Center,  
Shankill, Co. Dublin, Ireland. Tel: +353-1-2393224,  
Fax: +353-1-282 7880, E-mail: [sales@tramex.ie](mailto:sales@tramex.ie), [www.tramex.ie](http://www.tramex.ie)