

# CONCRETE COATINGS INSPECTOR KIT



A compact kit for instant and precise moisture testing of concrete floors and slabs. The Tramex CMEX5 digital moisture meter allows for non-destructive quantitative testing of concrete and comparative testing per ASTM F2659. Non-destructive testing of the top 20mm of the slab is most critical when applying coatings. An infrared surface thermometer gives surface temperature and dew point conditions used in conjunction with the CMEX5 hygrometer. The Concrete Coatings Inspector Kit comes with an extension handle in a protective heavy-duty carrying case with die-cut foam lining. The Tramex Meters App allows you to GeoTag test results, create, save and share reports and charts, as well as see your meter screen on your phone when extending to hard to reach places.



Product Code: CCIK

## KIT CONTENTS

1. Concrete Moisture Encounter X5 - CMEX5.
2. App available for Android and iOS (phone not included)
3. Infrared Thermometer.
4. Extension Handle.



NON-DESTRUCTIVE



AMBIENT  
RH, T, DP, g/kg



CONCRETE %MC  
READING RANGE



GYPSUM REFERENCE  
READING RANGE



CM EQUIV ANHYDRITE  
READING RANGE



CM EQUIV CONCRETE  
READING RANGE



WOOD %MC  
READING RANGE



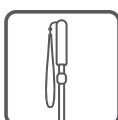
COMPARATIVE  
READING RANGE



ASTM  
F2659



ACCOMPANYING  
APP



EXTENSION HANDLE

# SPECIFICATIONS

## CONCRETE MOISTURE ENCOUNTER X5 - SPECIFICATIONS & MEASURING RANGE



The Tramex Concrete Moisture Encounter X5 is a non-destructive digital multi moisture meter for concrete floors and slabs providing instant and precise quantitative measurement of moisture content using Gravimetric testing as a baseline. The CMEX5 also provides Carbide Method equivalent readings for concrete and other cementitious substrates as well as comparative readings as per ASTM F2659. Incorporating plug-in ports for the optional Hygro-i2® relative humidity probe testing per ASTM F2170 and heavy-duty pin-type wood probes, this moisture meter transforms into the ideal all-in-one instrument for the flooring professional.

|                                   |                                          |                                      |                                |
|-----------------------------------|------------------------------------------|--------------------------------------|--------------------------------|
| Size:                             | 180mm x 85mm x 40mm (7.1" x 3.4" x 1.6") | Moisture content for Concrete:       | 0 → 6.9 %                      |
| Weight:                           | 357g (12.59oz)                           | Comparative for Gypsum floor screed: | 0 → 12                         |
| Construction:                     | ABS Body                                 | CM Equiv Anhydrite/Concrete:         | 0→2.7 / 0→4.3                  |
| Power:                            | 2 x AALR6 ALKALINE (included)            | Reference scale:                     | 0 → 100                        |
| Display:                          | Digital                                  | Relative Humidity                    | 0 → 99%                        |
| Depth of penetration in concrete: | approx. 20mm (¾")                        | (with optional Hygro-i2® probe):     |                                |
|                                   |                                          | Humidity accuracy:                   | 0% to 99%RH +/- 2% @ 25°C/77°F |
|                                   |                                          | Moisture content for wood            |                                |
|                                   |                                          | (with optional wood pin probes):     | 5 → 30 %                       |

Free App Available for Mobile and Tablet:



## INFRARED THERMOMETER - IRT2 - SPECIFICATIONS & MEASURING RANGE



The IRT2 is a handheld, dual laser, non-contact Infrared Thermometer with 12:1 distance to spot ratio and audible and visible high/low set point alarms. It is used to measure and display surface temperatures within the range of -50°C to 650°C (-58°F to 1202°F) and has an accuracy of approximately 1 to 1.5% (see Specifications for details). The IRT2 has a fast response time (0.15 sec) and is powered with a 9V battery and complies with Class II UK/EU laser safety standard EN60285.

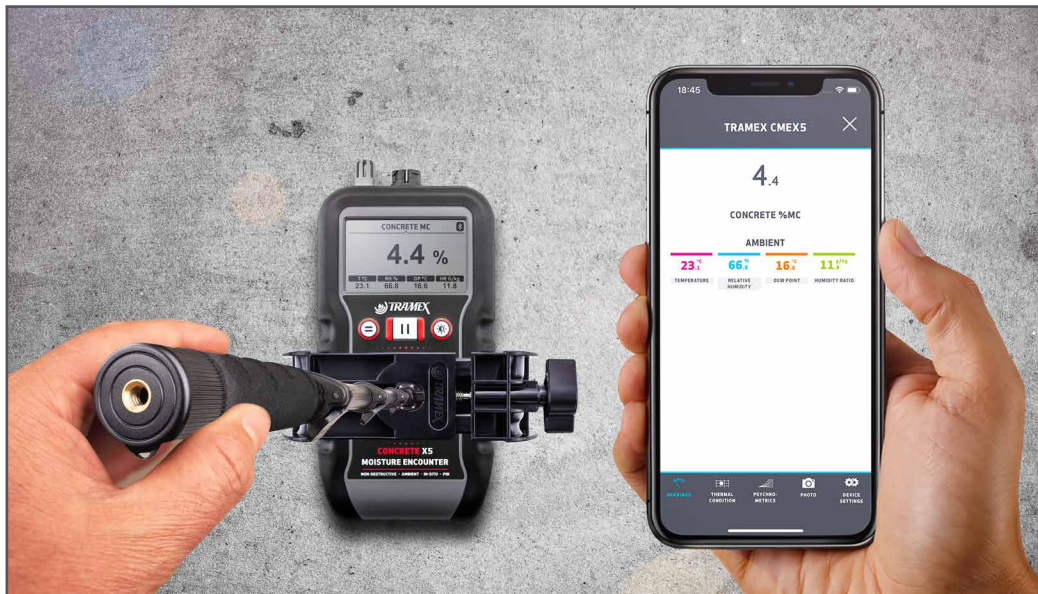
|                                                                                          |                                                     |
|------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Temperature range:                                                                       | -50 to 650 °C (-58°F ~ 1202°F)                      |
| Distance to Spot ratio:                                                                  | D:S = 12:1                                          |
| Accuracy for targets assuming ambient operating temperature of 23 to 25 °C (73 to 77°F): |                                                     |
|                                                                                          | -50 ~ 20°C (-58°F ~ 68°F) ±2.5°C(4.5°F)             |
|                                                                                          | 20°C ~300°C (68°F ~572°F) ±1.0% ±1.0°C (1.8°F)      |
|                                                                                          | 300°C ~650°C (572°F ~ 1202°F) ±1.5%                 |
| Emissivity:                                                                              | Digitally adjustable from 0.10 to 1.0               |
| Power supply:                                                                            | 9V battery, NEDA 1604A or IEC 6LR61, or equivalent. |

# SPECIFICATIONS

## KIT SPECIFICATIONS

Size: 43.5cm x 36cm x 14cm (17.1" x 14.2" x 5.5")  
Power: 2 x AA batteries, 1 x 9 volt PP3 battery

Weight: 3.1kg (6.8 lbs)



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**checkline**®  
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**Checkline Europe GmbH & Co. KG**

Warschauerstrasse 8  
48455 Bad Bentheim  
Deutschland

Tel: +49 (0)5924 - 9999690  
Email: [verkauf@checkline.de](mailto:verkauf@checkline.de)  
Web: [www.checkline.de](http://www.checkline.de)

