

CONCRETE MOISTURE DETERMINATOR KIT



A compact kit for instant and precise quantitative testing of both Surface and In-Body concrete Moisture Content in floors and slabs using a unified gravimetric-based testing method. The Tramex CMEX5 digital moisture meter allows for non-destructive quantitative testing of concrete and comparative testing per ASTM F2659. The reusable Concrete Moisture Determinator probe used with the CMEX5 allows for in-depth quantitative moisture content probe testing within the concrete. An infrared surface thermometer gives surface temperature and dew point conditions when used in conjunction with the CMEX5 hygrometer. The Concrete Moisture Determinator Kit comes 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 using the CMEX5 extension handle.



Product Code: CMDK



KIT CONTENTS

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



NON-DESTRUCTIVE



CONCRETE %MC
READING RANGE



CM EQUIV CONCRETE
READING RANGE



CM EQUIV ANHYDRITE
READING RANGE



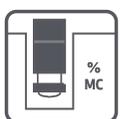
GYPSUM REFERENCE
READING RANGE



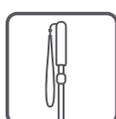
AMBIENT
RH, T, DP, gr/lb



ACCOMPANYING
APP



IN SITU
%MC



EXTENSION HANDLE



ASTM
F2659



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:	7.1" x 3.4" x 1.6" (180mm x 85mm x 40mm)	Moisture content for Concrete:	0 → 6.9 %
Weight:	12.59oz (357g)	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	
Depth of penetration in concrete CMEX5:	approx. 3/4" (20mm)	(with Hygro-i2 [®] probe):	0 → 99%
		Humidity accuracy:	0% to 99%RH +/- 2% @ 25°C/77°F
Depth of penetration in concrete with probe:	up to 4" (100mm)	Moisture content for wood (with 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 -58°F to 1202° (-50°C to 650°C) 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:	-58°F ~ 1202°F (-50 to 650 °C)
Distance to Spot ratio:	D:S = 12:1
Accuracy for targets assuming ambient operating temperature of 73 to 77°F (23 to 25 °C):	
	-58°F ~ 68°F (-50 ~ 20°C) ±4.5°F(2.5°C)
	68°F ~ 572°F (20°C ~ 300°C) ±1.0% ±1.8°F (1.0°C)
	572°F ~ 1202°F (300°C ~ 650°C) ±1.5%
Emissivity:	Digitally adjustable from 0.10 to 1.0
Power supply:	9V battery, NEDA 1604A or IEC 6LR61, or equivalent.

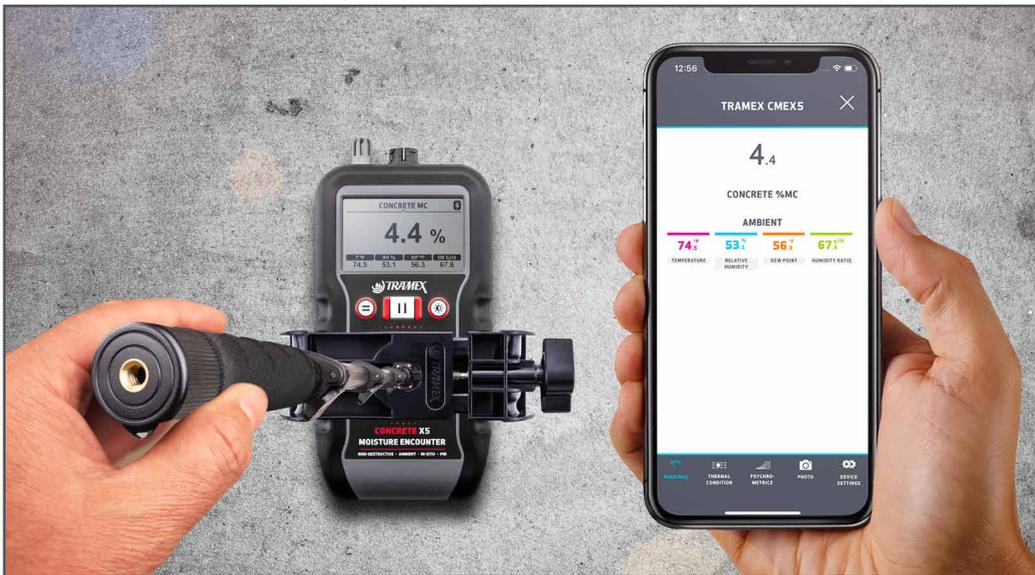
SPECIFICATIONS

KIT SPECIFICATIONS

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

Weight:

7.9 lbs (3.6 kg)



The Determinator and CME5 allow for a unified gravimetric-based testing method of moisture content both on the surface and within the body of the concrete. Both readings are quantitative % moisture content, thus eliminating confusion between different testing method data. The Determinator conductive probes are reusable, extendable, and require no plastic hole liners. The hole diameter required is the same for the Hygroi-2 RH test as per F2170.

