FLOORING MASTER KIT

The ultimate kit for pre- & post-application moisture testing of concrete slabs, wood and various other floor covering materials. Featuring the Tramex CMEX5 digital concrete moisture meter for non-destructive quantitative and comparative testing of concrete and ambient conditions. The CMEX5 incorporates plug-in heavy-duty pin-probes measures Moisture Content in wood or WME in other building materials. The CMEX5 also incorporates plug-in RH probes for in-situ testing of concrete. These probes can be used with the Feedback Datalogger to give live readings and time logs of relative humidity, temperature and dew point in situ and in the environment. An infrared surface thermometer gives surface temperature and dew point conditions used in conjunction with the CMEX5 hygrometer. The ME5 allows for moisture testing of wood and includes a shallow-depth feature to elimi-nate the effect of the substrate when needed. The Flooring Master Kit comes with an extension handle in a heavy duty Tramex travel case. 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.

TRAMEX METERS APP
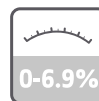FOR iOS & ANDROID DEVICES (PHONE NOT INCLUDED WITH KIT)

Product Code: FMK

KIT CONTENTS

1. Concrete Moisture Encounter X5 - CMEX5.
2. Moisture Encounter 5 - ME5.
3. App available for Android and iOS (phone not included).
4. Feedback Datalogger - DL-RHTX.
5. 3 x Hygro-i2® Relative Humidity probes.
6. Heavy-duty Pin-type Wood Probe.
7. Hammer-action pin-type electrode.
8. Infrared Thermometer.
9. Calibration Check Salt.
10. Hole liners.
11. Extension Handle.

ASTM F2659

ASTM F2170

NON-DESTRUCTIVE	CONCRETE %MC READING RANGE	GYPSUM REFERENCE READING RANGE	CMEQUIV CONCRETE READING RANGE	CM EQUIV ANHYDRITE READING RANGE	WOOD %MC READING RANGE	AMBIENT RH, T, DP, gr/lb	IN SITU RH, T, DP, gr/lb	DUAL DEPTH	COMPARATIVE READING RANGE	ACCOMPANYING APP	EXTENSION HANDLE (optional)
	0-6.9%	0-12	0-4.3	0-2.7	5-30%				0-100		

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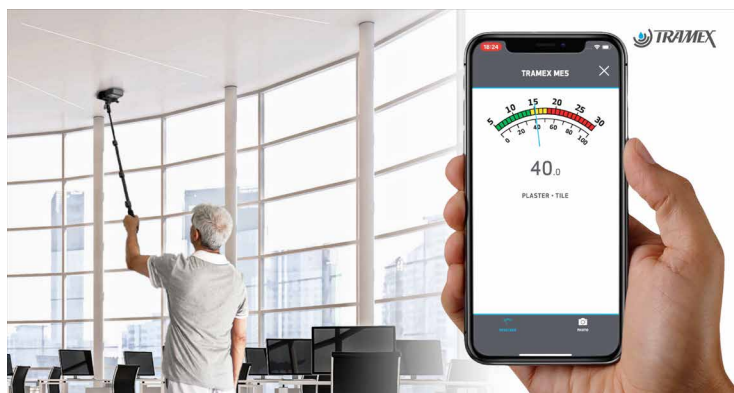
Size:	7.1" x 3.4" x 1.6" (180mm x 85mm x 40mm)	Moisture content for Concrete:	0 → 6.9 %
Weight:	12.59oz (357g)	Comparative for Gypsum floor screed:	0 → 12
Construction:	ABS Body	CM Equiv Anhydrite/Concrete:	0→2.7 / 0→4.3
Power:	2 x AALR6 ALKALINE (included)	Reference scale:	0 → 100
Display:	Digital	Relative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

MOISTURE ENCOUNTER 5 - SPECIFICATIONS & MEASURING RANGE

The Tramex Moisture Encounter 5 is a Dual-Depth, non-destructive moisture meter for instant moisture measurement and evaluation. Deep Depth penetration up to 1.25" (30mm) & Shallow Depth penetration up to 0.40" (10mm) 5 Ranges of sensitivity: Wood & Timber / Shallow Depth / Drywall & Roofing / Plaster & Tile / Masonry, making the Moisture Encounter ideal for testing in and through a wide range of materials in the building envelope.

Size:	6.3" x 3.5" x 1.5" (160mm x 85mm x 38mm)	Wood Moisture Content:	5 to 30%
Weight:	9.5oz (270g)	Reference scale for building materials:	0 to 100
Construction:	ABS Body	Depth of penetration:	
Power:	2 x AALR6 ALKALINE (included)	Shallow signal:	up to 0.40" (10mm)
Display:	Analog	Deep signal:	up to 1.25" (30mm)

SPECIFICATIONS

FEEDBACK DATALOGGER - SPECIFICATIONS & MEASURING RANGE

The Feedback DataLogger and App log up to 100,000 data point entries for relative humidity, temperature, dew point and grains per pound, transmitted wirelessly via Bluetooth BLE technology to your mobile device. Used to perfom ASTM F2170 with the Tramex Hygro-2 probe.

Size:	3.94" x 3.54" x 1.38" (100mm x 90mm x35mm)	Memory:	100,000 data point entries (samples of
Weight:	3.53oz (100g)		Ambient RH and temperature; Surface Temperature)
Construction:	ABS enclosure	Logging Rate:	Logger interval adjustable between
Power:	1 x AA type battery 1.5 Volt		5 minutes and 1 hour
Included:	Wall Mounting and Tripod Stand	Transmission Range:	Up to 165ft (50m) line-of-sight
		Bluetooth:	BLE Bluetooth Low Energy 4.2 compliant,
			Bluetooth 5 advertising

RELATIVE HUMIDITY SENSOR SPECIFICATIONS		TEMPERATURE SENSOR SPECIFICATIONS:	
Range:	0 to 100%RH	Range:	-40°F to 257°F (-40°C to 125°C)
Accuracy:	±1.5%RH Range 0% to 80%RH	Accuracy:	±0.1°F Range 68°F to 140°F
	±2.0%RH Range 80% to 99%RH (@ 77°F (25°C))		(±0.1 °C Range 20°C to 60°C)
Resolution:	0.1% over the complete range	Sensor Protection:	PTFE Film protects sensor opening
Drift:	<0.25%RH per year		from water & dust
		Drift:	<0.04°F (0.03°C) per year

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:	20.5" x 18.9" x 5.9" (52cm x 48cm x 15cm)	Weight:	13.2 lbs (6kg)
Power:	5 x AA batteries, 1 x 9 volt PP3 battery		