FLOORING MASTER KIT X

The ultimate kit for pre- & post-application moisture testing of concrete slabs, wood and various other floor covering materials. Featuring the MEX5 for moisture testing of flooring and including a shallow-depth feature to eliminate the effect of the substrate when needed. The Tramex CMEX5 concrete moisture meter allows for non-destructive quantitative and comparative testing of concrete and ambient conditions. The MEX5 and CMEX5 incorporate plug-in heavy-duty pin-probes to measure Moisture Content in wood or WME in other building materials. The MEX5 and CMEX5 also incorporate 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. Built-in hygrometers and infrared surface thermometers give psychrometrics, surface temperature and dew point conditions. The Flooring Master Kit X 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-X

KIT CONTENTS

1. Moisture Encounter MEX5
2. Concrete Moisture Encounter CMEX5
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

FMK-X EU 10/23 REV.1.0
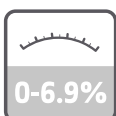
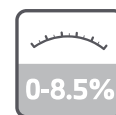|							
NON-DESTRUCTIVE	0-6.9% CONCRETE %MC READING RANGE	0-12 GYPSUM REFERENCE READING RANGE	0-4.3 CM EQUIV CONCRETE READING RANGE	0-2.7 CM EQUIV ANHYDRITE READING RANGE	ASTM F2659	IN SITU RH, T, DP, g/kg	ASTM F2170
DUAL DEPTH	0-30% WOOD %MC READING RANGE	6-50% WOOD %MC PIN READING RANGE	0-8.5% DRYWALL %MC PIN READING RANGE	AMBIENT RH, T, DP, g/kg	C°/F° SURFACE TEMPERATURE	kJ/kg ENTHALPY	ACCOMPANYING APP
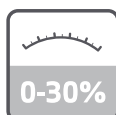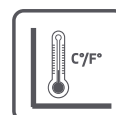
SPECIFICATIONS

MOISTURE ENCOUNTER MEX5

The Tramex Moisture Encounter MEX5 is a digital Dual-Depth, non-destructive moisture meter for wood and various building materials such as drywall, roofing, plaster, tile and masonry. The Moisture Encounter MEX5 has a built-in hygrometer for ambient conditions and psychrometric values, an Infrared Surface Thermometer and also incorporates external in-situ RH probes for in-situ equilibrium RH readings, as well as Pin probes for wood, drywall, and WME readings. Moisture test results can be visualized and Geotagged with the Tramex Meters App and turned into moisture maps, reports and charts for sharing.

Size:	180mm x 85mm x 40mm (7.1" x 3.4" x 1.6")	Wood Moisture Content (NDT):	0 to 30% MC
Weight:	290g (10.22 oz)	Wood Moisture Content (Pin):	6% to approx 50% MC
Construction:	ABS Body	Drywall Moisture Content (Pin):	0 to 8.5% MC
Power:	2 x AALR6 ALKALINE (included)	Reference scales for building materials:	0 - 100
Display:	Digital 58mm x 35mm (2.3" x 1.4")	Relative Humidity:	0 - 99%
Depth of penetration:		Humidity Accuracy: 0% → 99%RH +/- 2% @ 25°C / 77°F	
Shallow signal:	up to 9mm (⅜")		
Deep signal:	up to 30mm (1¼")		

CONCRETE MOISTURE ENCOUNTER CMEX5

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 Hygro-i2® probe):	
		Humidity accuracy: 0% to 99%RH +/- 2% @ 25°C/77°F	
		Moisture content for wood	
		(with wood pin probes):	5 → 30 %

SPECIFICATIONS

FEEDBACK DATALOGGER - RHTX

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

RELATIVE HUMIDITY SENSOR SPECIFICATIONS

Range:	0 to 100%RH
Accuracy:	±1.5%RH Range 0% to 80%RH
	±2.0%RH Range 80% to 99%RH (@ 25°C (77°F))
Resolution:	0.1% over the complete range
Drift:	<0.25%RH per year

TEMPERATURE SENSOR SPECIFICATIONS:

Range:	-40°C to 125°C (-40°F to 257°F)
Accuracy:	±0.1 °C Range 20°C to 60°C
	(±0.1°F Range 68°F to 140°F)
Sensor Protection:	PTFE Film protects sensor opening from water & dust
Drift:	<0.03°C (0.04°F) per year

Free App Available for Mobile and Tablet:

Download on the App Store   GET IT ON Google Play

INFRARED THERMOMETER - IRT2

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