WATER DAMAGE RESTORATION MASTER KIT X

TRAMEX

The Master Kit allows for moisture and relative humidity testing and monitoring of buildings and building materials. Featuring the Tramex ME5 for dual-depth, non-invasive testing of moisture conditions in drywall, wood, plaster, brick, tiles, resilient flooring, laminates and roofing. The Tramex CMEX5 digital concrete moisture meter for non-destructive quantitative and comparative testing of concrete and ambient conditions. The CMEX5 incorporates a plug-in heavy-duty pin-probe 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, building materials, structures and air spaces. These probes can be used with the Feedback Datalogger to give live readings and time logs of relative humidity, temperature and dew point in the environment and in materials and air spaces. An infrared surface thermometer gives surface temperature and dew point conditions used in conjunction with the CMEX5 hygrometer. The Water Damage Restoration Master 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.

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

Product Code: WDMK-X

KIT CONTENTS

1. Concrete Moisture Encounter X5 - CMEX5.
2. Moisture Encounter MEX5
3. Feedback Datalogger - DL-RHTX
4. App available for Android and iOS (phone not included)
5. Heavy-duty pin-type wood probe
6. 7.8" (200mm) insulated pins for in-depth penetration
7. 10" (260mm) Narrow Wand Relative Humidity Probe
8. 1 x Hygro-i2® Relative Humidity probe
9. Hole liners
10. Calibration Check Salts
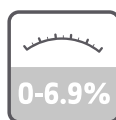11. Infrared Thermometer
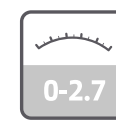12. Extension Handle

WDMK-X US 10/23 REV.1.0

NON-DESTRUCTIVE	DUAL DEPTH	0-6.9% CONCRETE %MC READING RANGE	6-50% WOOD %MC PIN READING RANGE	0-4.3 CM EQUIV CONCRETE READING RANGE	0-2.7 CM EQUIV ANHYDRITE READING RANGE	IN SITU RH, T, DP, gr/lb
0-30% WOOD %MC READING RANGE	0-8.5% DRYWALL %MC PIN READING RANGE	AMBIENT RH, T, DP, gr/lb	C°/F° SURFACE TEMPERATURE	Btu/lb ENTHALPY	ACCOMPANYING APP	
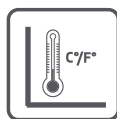
SPECIFICATIONS

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:	7.1" x 3.4" x 1.6" (180mm x 85mm x 40mm)	Wood Moisture Content (NDT):	0 to 30% MC
Weight:	10.22 oz (290g)	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 2.3" x 1.4" (58mm x 35mm)	Relative Humidity:	0 - 99%
Depth of penetration:		Humidity Accuracy: 0% → 99%RH +/- 2% @ 25°C / 77°F	
Shallow signal:	up to ⅜" (9mm)		
Deep signal:	up to 1¼" (30mm)		

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:	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 %

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:	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; SurfaceTemperature)
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:	-40ºF to 257ºF (-40ºC to 125ºC)
Accuracy:	±1.5%RH Range 0% to 80%RH	Accuracy:	±0.1ºF Range 68ºF to 140ºF
	±2.0%RH Range 80% to 99%RH (@ 77ºF (25ºC))		(±0.1 ºC Range 20ºC to 60ºC)
Resolution:	0.1% over the complete range	Sensor Protection:	PTFE Film protects sensor opening
Drift:	<0.25%RH per year		from water & dust
		Drift:	<0.04ºF (0.03ºC) per year

Free App Available for Mobile and Tablet:

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 -58ºF to 1202º (-50ºC to 650ºC) 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:	-58ºF ~ 1202ºF (-50 to 650 ºC)
Distance to Spot ratio:	D:S = 12:1
Accuracy for targets assuming ambient operating temperature of 73 to 77ºF (23 to 25 ºC):	
	-58ºF ~ 68ºF (-50 ~ 20ºC) ±4.5ºF(2.5ºC)
	68ºF ~572ºF (20ºC ~300ºC) ±1.0% ±1.8ºF (1.0ºC)
	572ºF ~ 1202ºF (300ºC ~ 650ºC) ±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:	10.8 lbs (4.9kg)
Power:	5 x AA batteries, 1 x 9 volt PP3 battery		