

# WATER DAMAGE RESTORATION MASTER KIT X



The Master Kit X allows for moisture and relative humidity testing and monitoring of buildings and building materials. Featuring the Tramex MEX5 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 MEX5 and CMEX5 incorporate plug-in heavy-duty pin-probes to measure Moisture Content in wood and drywall, and WME in other building materials. The MEX5 and CMEX5 also incorporate 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. Built-in hygrometers and infrared surface thermometers give psychrometrics, surface temperature and dew point conditions. The Water Damage Restoration Master Kit X 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: WDMK-X



## KIT CONTENTS

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

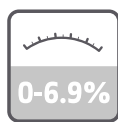
WDMK-X EU 04/25 REV.1.0



NON-DESTRUCTIVE



DUAL DEPTH



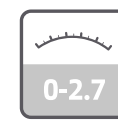
CONCRETE %MC READING RANGE



WOOD %MC PIN READING RANGE



CM EQUIV CONCRETE READING RANGE



CM EQUIV ANHYDRITE READING RANGE



IN SITU RH, T, DP, g/kg



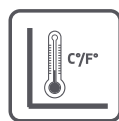
WOOD %MC READING RANGE



DRYWALL %MC PIN READING RANGE



AMBIENT RH, T, DP, g/kg



SURFACE TEMPERATURE



ENTHALPY



ACCOMPANYING APP

Checkline Europe S.L.®  
Calle Real 85, Planta 2 B1  
29680 Estepona (Málaga)  
España

Tel: +34 951 870 125  
Web: <https://www.checkline.es>  
E-mail: [info@checkline.es](mailto:info@checkline.es)

# 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 (3/8")		
Deep signal:	up to 30mm (1 1/4")		

## CONCRETE MOISTURE ENCOUNTER CMEX5



The Tramex Concrete Moisture Encounter CMEX5 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 (3/4")	(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 perform ASTM F2170 with the Tramex Hygro-2 probe.

Size:	100mm x 90mm x 35mm (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)	Logging Rate:	Logger interval adjustable between 5 minutes and 1 hour
Construction:	ABS enclosure	Transmission Range:	Up to 50m (165ft) line-of-sight
Power:	1 x AA type battery 1.5 Volt	Bluetooth:	BLE Bluetooth Low Energy 4.2 compliant, Bluetooth 5 advertising
Included:	Wall Mounting and Tripod Stand		

### 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:	-20°C to 70°C (-4°F to 158°F)
Accuracy:	±0.1 °C Range -20°C to 70°C (±0.1°F Range -4°F to 158°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:



## 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.

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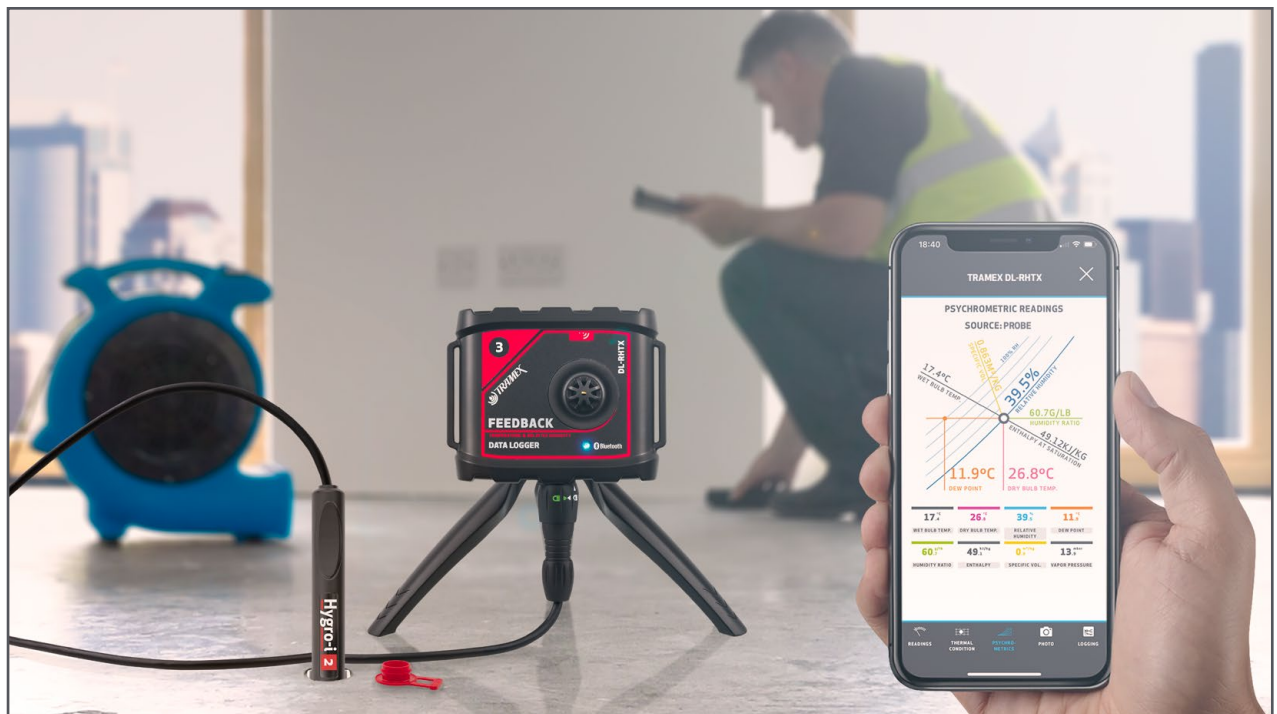
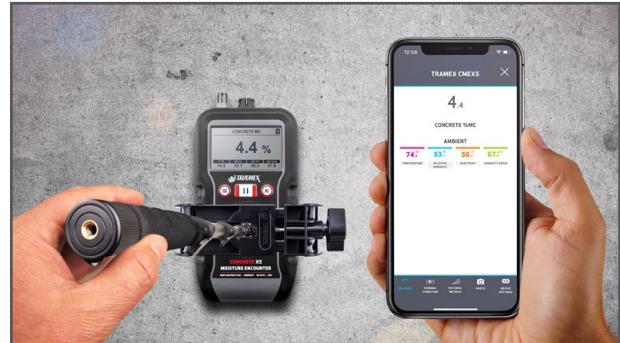
# SPECIFICATIONS

## KIT SPECIFICATIONS

Size: 52cm x 48cm x 15cm (20.5" x 18.9" x 5.9")  
Power: 5 x AA batteries, 1 x 9 volt PP3 battery

Weight:

4.9kg (10.8 lbs)



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