

# 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 Infra-red 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. The MEX5 allows for 500+ wood species to be chosen, SG adjustment and automatic temperature correction for wood %MC measurement precision. Moisture test results can be visualized and Geotagged with the Tramex Meters App and turned into moisture maps, reports and charts for sharing. These individual and collective features make the MEX5 an essential and indispensable asset for professionals in the wood, wood flooring, building moisture inspection and water damage restoration industries.



Product Order Code: MEX5

## FEATURES

MEX5-US 08/23 REV.1.0



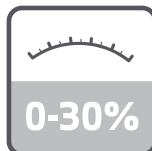
NON-DESTRUCTIVE



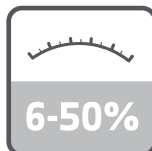
DUAL DEPTH



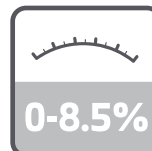
AMBIENT  
RH, T, DP, gr/lb



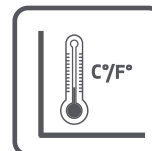
WOOD %MC  
READING RANGE



WOOD %MC PIN  
READING RANGE



DRYWALL %MC PIN  
READING RANGE



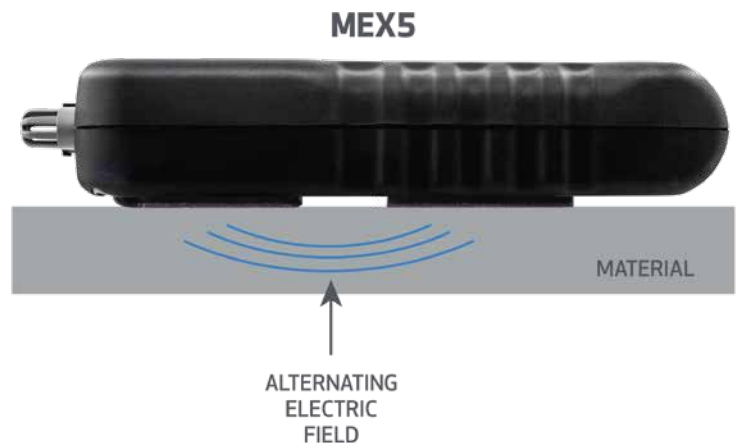
SURFACE  
TEMPERATURE



VIEW ONLINE

## HOW IT WORKS

The Moisture Encounter MEX5 detects and evaluates moisture conditions within various building materials by non-destructively measuring the electrical impedance. A low frequency electronic signal is transmitted into the material via the electrodes in the base of the instrument. The strength of this signal varies in proportion to the amount of moisture in the material under test. The Moisture Encounter MEX5 determines the strength of the current and converts this to a moisture content value, displaying it on a large clear digital display.



## PSYCHROMETRICS MODE

The Moisture Encounter MEX5 uses its built-in hygrometer to measure the ambient relative humidity (RH), ambient temperature (Ta), dew point temperature (Td) and humidity ratio (HR GPP, g/kg) of the environment. These measurements are shown at the bottom of the screen for each mode or scale being used. In Psychrometrics mode the DELTA temperature value (difference between ambient and dew point temperature), the Surface temperature, and Enthalpy value (heat content in the air) can also be viewed. Plug-in in-situ equilibrium RH probes are available for psychrometric values within building materials such as concrete, wall and floor cavities and insulation.

## WOOD PIN-PROBE MODE

By plugging in the optional handheld or hammer probes, the Moisture Encounter MEX5 becomes a resistance type meter and measures the percentage moisture content (%MC) of wood. International wood standards or preprogrammed wood species can be selected, and wood temperature correction can be automatically calculated. Pin Probe mode can also be used for Drywall %MC and WME (Wood Moisture Equivalent) readings for other materials.



ENTHALPY



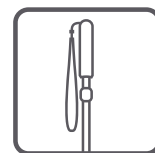
COMPARATIVE  
READING RANGE



IN SITU  
RH, T, DP, gr/lb



ACCOMPANYING  
APP



EXTENSION HANDLE  
(optional)

## SPECIFICATIONS

Size:	7.1" x 3.4" x 1.6" (180mm x 85mm x 40mm)
Weight:	10.22 oz (290g)
Construction:	ABS Body
Power:	2 x AALR6 ALKALINE (included)
Display:	Digital 2.3" x 1.4" (58mm x 35mm)
Depth of penetration:	
Shallow signal:	up to $\frac{3}{8}$ " (9mm)
Deep signal:	up to $1\frac{1}{4}$ " (30mm)

## MEASURING RANGE

Wood Moisture Content (NDT):	0 to 30% MC
Wood Moisture Content (Pin):	6% to approx 50% MC
Drywall Moisture Content (Pin):	0 to 8.5% MC
Reference scales for building materials:	0 - 100
Relative Humidity:	0 - 99%
Humidity Accuracy:	0% → 99%RH +/- 2% @ 25°C / 77°F

Free App Available for Mobile and Tablet:

