

Tramex ME5

Tramex Moisture Encounter ME5 User Manual

Model: ME5 | Brand: Tramex

INTRODUCTION

The Tramex Moisture Encounter ME5 is a non-destructive, pinless moisture meter designed for rapid and accurate measurement of moisture content in a wide range of building materials. This manual provides comprehensive instructions for the safe and effective use, maintenance, and troubleshooting of your ME5 device.



Figure 1: The Tramex Moisture Encounter ME5 device.

Safety Information

Always read and understand all safety warnings and instructions before operating the Tramex Moisture Encounter ME5. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Keep the device dry. Do not expose to rain or moisture.
- Do not operate the device if it has been damaged.
- Use only specified batteries. Ensure correct polarity when inserting.
- Keep out of reach of children.
- Do not attempt to open or modify the device. Refer all servicing to qualified personnel.

WHAT'S IN THE BOX

Upon opening the packaging, verify that all items listed below are present:

- Tramex Moisture Encounter ME5 Device
- Instruction Guide (this manual)
- 2 AA batteries (pre-installed or included separately)

SETUP

Battery Installation

The Tramex ME5 requires 2 AA batteries for operation. These are typically included. To install or replace batteries:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open or remove the screw if present.
3. Insert 2 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

Powering On/Off

Press the power button () located on the front panel to turn the device on. Press and hold the power button to turn it off.

OPERATING INSTRUCTIONS

Understanding the Display

Tramex Moisture Encounter ME5 – Pinless Dual-Depth Moisture Meter

*"Measure,
Map, And Manage
Moisture With
Confidence."*



Figure 2: The ME5 display with analog scale for wood %MC and comparative readings.

The ME5 features a large analog display that shows moisture content readings. The top scale indicates Wood %MC (Moisture Content) from 5-30%, while the bottom scale provides a 0-100 comparative reading for other materials.

Selecting Material Mode and Depth

The ME5 allows you to select different material modes and measurement depths:

- **Wood - Timber:** Measures wood moisture content percentage (5-30%).
- **Shallow Depth:** Penetrates up to 0.4 inches (9 mm) for surface readings.
- **Drywall - Roofing:** Comparative scale for these materials.
- **Plaster - Tile:** Comparative scale for these materials.
- **Masonry:** Comparative scale for masonry materials.

Use the mode selection buttons on the device to cycle through the material types and depth settings. The selected mode will be indicated by an illuminated LED.

Innovative Technology For Every Job



The ME5 uses **low-frequency impedance measurement** to determine moisture content non-destructively. Its **dual-depth feature provides both surface and core moisture readings**, offering a complete picture of material conditions. **Ideal for inspections in wood, drywall, plaster, tile, roofing, and more** – it's perfect for building inspections, restoration, and quality control.



Step 1: Place on material.



Step 2: Instantly read moisture measurement



Step 3: Sync to Tramex Meters App for detailed reporting.

Figure 3: Operational steps: 1. Place on material, 2. Instantly read measurement, 3. Sync to app.

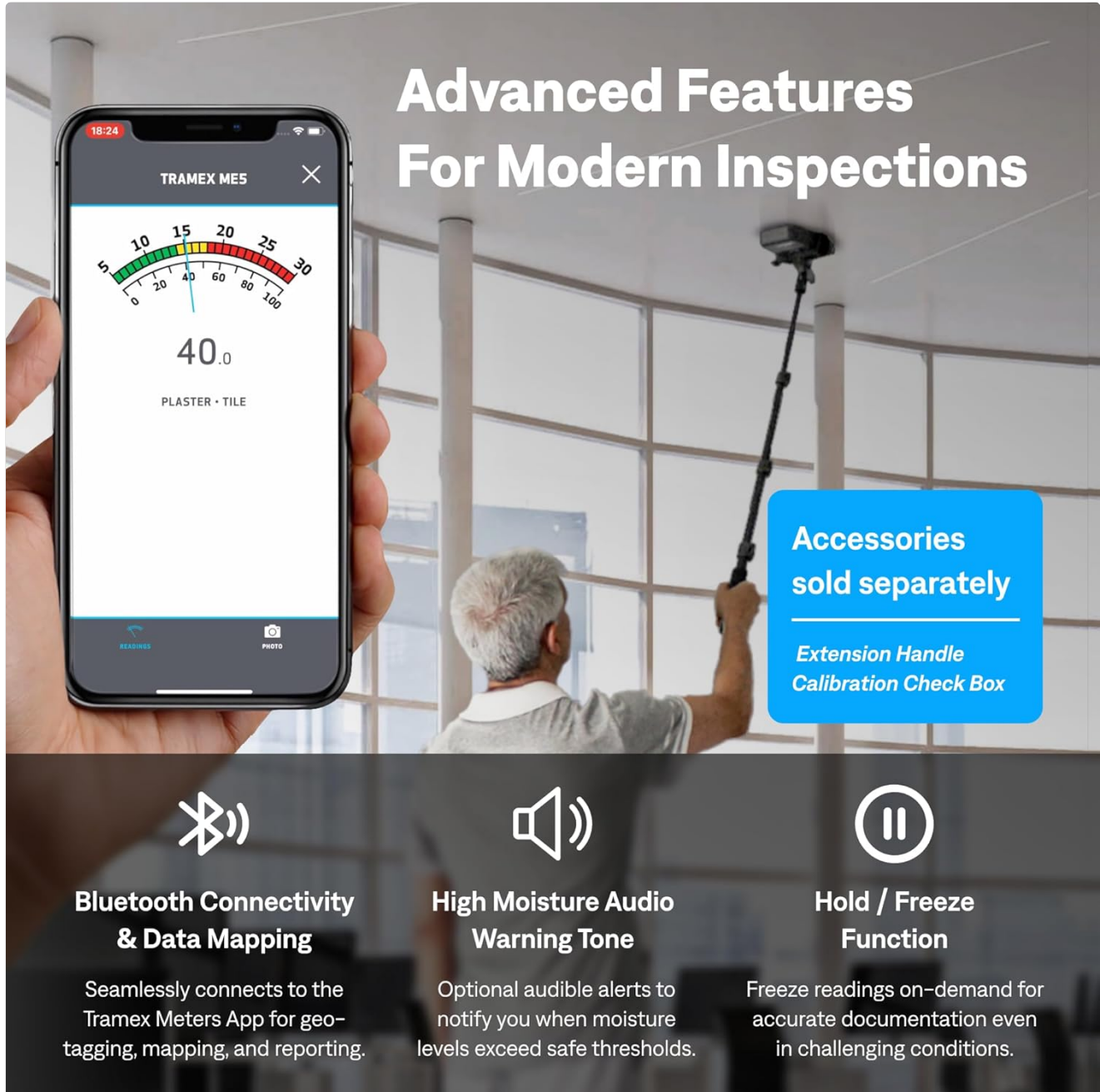
Taking a Measurement

1. Turn on the ME5.
2. Select the appropriate material mode and depth for the material you are testing.
3. Place the device flat against the surface of the material. Ensure full contact with the sensor pads on the back of the device.
4. Read the moisture content directly from the analog display.
5. For wood, refer to the Wood %MC scale. For other materials, use the comparative scale.

Advanced Features

- **Bluetooth Connectivity & Data Mapping:** The ME5 can seamlessly connect to the Tramex Meters App (available for iOS and Android) via Bluetooth. This allows for geo-tagging, mapping, and reporting of moisture readings.
- **High Moisture Audio Warning Tone:** The device features an optional audible alert that notifies you when moisture levels exceed pre-set safe thresholds.


- **Hold / Freeze Function:** Press the 'Hold' button to freeze the current reading on the display. This is useful for taking readings in challenging or hard-to-reach areas, allowing you to view the result after removing the device from the surface.



Advanced Features For Modern Inspections


**Accessories
sold separately**

*Extension Handle
Calibration Check Box*




Bluetooth Connectivity & Data Mapping

Seamlessly connects to the Tramex Meters App for geo-tagging, mapping, and reporting.



High Moisture Audio Warning Tone

Optional audible alerts to notify you when moisture levels exceed safe thresholds.



Hold / Freeze Function

Freeze readings on-demand for accurate documentation even in challenging conditions.

Figure 4: The ME5's Bluetooth connectivity with the Tramex Meters App and optional accessories like the extension handle (sold separately).

MAINTENANCE

Cleaning

Wipe the device with a clean, dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure the sensor pads are free from dust and debris for accurate readings.

Storage

Store the ME5 in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or incorrectly installed batteries.	Replace batteries, ensuring correct polarity.
Inaccurate or inconsistent readings.	Poor contact with surface; sensor pads are dirty; incorrect material mode selected.	Ensure full contact; clean sensor pads; select appropriate material mode.
Bluetooth connection issues.	Device too far from smartphone; Bluetooth disabled on phone/device; app not updated.	Move closer; enable Bluetooth; update Tramex Meters App.

SPECIFICATIONS

Feature	Detail
Product Dimensions	6.3 x 3.5 x 1.5 inches; 1 Pounds
Item Model Number	ME5
Batteries	2 AA batteries required (included)
First Available Date	September 26, 2019
Manufacturer	Tramex
Moisture Content Range (Wood)	5-30%
Comparative Scale	0-100
Shallow Depth Penetration	Up to 0.4 inches (9 mm)
Deep Depth Penetration	Up to 1.25 inches (30 mm)

WARRANTY AND SUPPORT

Warranty Information

The Tramex Moisture Encounter ME5 comes with a standard manufacturer's warranty covering defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official Tramex website

for detailed warranty terms and conditions.

Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact Tramex customer support. You can also find additional resources, FAQs, and the official user guide PDF on the Tramex website.

Official User Guide (PDF): [Download Here](#)