

## Digital Moisture Meter

Model - CULTI 7



### Feature Highlight

- Instant and accurate measurement
- Portable
- Rechargeable
- Easy to use
- Non-destructive sample testing
- Rugged Design
- Durable

# Product Guide

The IXE Tronics Digital Moisture Meter is a handheld device that provides a direct readout of moisture content levels of produce. It is used to guide farmers, traders, and processors in determining whether the produce is safe for processing or storage.

## Powering up & Recharging the device

To turn on the device, press the switch as indicated in Figure A. When the meter is turned on, the display briefly displays the logo and enters the Measurement mode.

The LOW BATTERY indicator will be displayed if the meter is on and the battery voltage is low.

To recharge the battery press the switch as indicated in Figure B and connect the charging cable. Ensure that you are using the connector provided in the package.



Figure A



Figure B

## Meter Storage & Cleaning

For optimal longevity, proper storage of your meter is essential. Avoid extreme hot or cold environments. When storing the meter for over 2-3 months without use, remember to remove the battery.

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Clean the device before and after each reading with a plastic brush and dry paper towel/cloth. A clean device ensures consistent reading. Do not use water or any other liquid to clean the device. In case the inner tube becomes slightly wet or has some moisture content, dry the device before usage.

## Items in the packaging box

The packing box contains the following accessories

- Digital Moisture Meter
- 5V Power Adapter
- USB to DC Jack Cable
- 3.7 V battery (installed)

## Technical Specification

Measurement Range	0 % - 20%
Resolution	0.1 %
Power supply	3.7V - 4.2V Li-ion Battery
Working temperature	20°C - 40°C
Volume	1000 cc
Material	SS, Plastic
Dimension (in mm)	10 x 240 (D X H)
Weight	550 g (w/o battery)
Display	Oled Display
Power Adaptor	5V, 1A

## Measuring moisture content of various produce

Produce	Abbreviation	Sample Quantity	Accuracy
Raw Cashew Nut	RCN	700g	±0.2 %
Natural Wholes	NW	600g	±0.2 %

## Standard Operating Procedure

- **Clean Inner Tube:** Ensure the inner tube of the meter is clean and free from any residue or debris.
- **Power On:** Switch on the moisture meter and verify that the battery level is not low.
- **Calibration:** The device will self-calibrate initially, showing 'calib'. Avoid placing any samples inside during this calibration process.
- **Sample Filling:** Once the device prompts 'Fill Sample,' proceed to fill the sample.
- **Accurate Measurement:** Use an accurate weighing scale with at least 1 gram precision to measure the recommended quantity of the substance.
- **Filling the Meter:** Fill the substance up to the brim or top of the meter, ensuring it's uniformly distributed by gently shaking the device.
- **Check Display:** Verify the reading displayed on the meter to ensure it reflects the correct substance measurement.
- **Repeat Procedure:** For a better understanding of the substance being measured, repeat these steps multiple times.

For any queries regarding using the product, feel free to get in touch with our technical support team. Drop a mail to [contact@ixetronics.com](mailto:contact@ixetronics.com)