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> Jieotwice JK-T10 Textile/Leather Moisture Meter User Manual

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Model: JK-T10 | Brand: Jieotwice

1. INTRODUCTION

The Jieotwice JK-T10 is a high-precision moisture meter specifically designed for measuring the moisture content in various textile and leather materials. Utilizing a high-frequency electromagnetic wave scanning principle, this device provides fast and accurate readings, making it an essential tool for quality control and material assessment. The JK-T10 is suitable for materials such as leather, leather products, cloth, grey cloth, wool, towels, fabrics, genuine leather, cowhide, PU artificial leather, non-woven fabrics, clothing, yarn, spinning, cotton yarn, cheese, and other textiles and textile raw materials.

2. SAFETY INFORMATION

- Keep the device dry. Avoid exposure to water or high humidity, which can damage internal components.
- Do not operate the device in environments with extreme temperatures or corrosive gases.
- Do not attempt to disassemble or modify the meter. Repairs should only be performed by qualified personnel.
- Ensure correct battery polarity when installing. Remove the battery if the device will not be used for an extended period to prevent leakage.
- Keep out of reach of children.

3. PRODUCT OVERVIEW AND COMPONENTS

The package includes:

- 1 x Jieotwice JK-T10 Moisture Meter
- 1 x Screwdriver
- 1 x User Manual



Figure 1: Key components and dimensions of the JK-T10 Moisture Meter. This image illustrates the induction probe, digital display, zero adjustment knob, power on/off button, and gear knob, along with the device's physical dimensions.

◆◆◆◆◆ Product Detail ◆◆◆◆◆

01

High precision
humidity sensor





02

Easy to operate
convenient and
practical

03

LCD HD display



Figure 2: Detailed features of the JK-T10 Moisture Meter. This image highlights the high-precision humidity sensor, the easy-to-operate gear knob for material selection, and the clear LCD HD display for moisture readings.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Use the provided screwdriver to open the battery compartment.

3. Insert one 9V (6F22 type) battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover and secure it with the screw.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the **ON/OFF** button located on the front panel to turn the device on or off.

5.2 Zero Adjustment

Before taking measurements, it is recommended to perform a zero adjustment. With the device powered on and the probe not in contact with any material, turn the **Zero Adjustment Knob** until the display reads 0.0% or a stable low value.

5.3 Gear Selection

The device features a **Gear Knob** with settings from 0 to 10. Rotate this knob to select the appropriate gear setting for the specific type of textile or leather material you are measuring. Refer to the material-specific guidelines (if provided separately by the manufacturer) for optimal gear selection to ensure accurate readings.

5.4 Taking a Measurement

1. Ensure the device is powered on and zero-adjusted.
2. Select the appropriate gear setting for your material.
3. Gently press the induction probe onto the surface of the material to be tested. The probe is designed for non-destructive measurement.
4. Hold the probe steadily for approximately 1 second.
5. Read the moisture content percentage displayed on the LCD screen.

5.5 Measurement Principle

The JK-T10 operates on a high-frequency principle. The instrument has a natural frequency, and the moisture content of the measured object affects the frequency transmitted into the machine through the sensor. The difference between these frequencies is converted into a current via a frequency current converter, which is then processed by an analog-to-digital converter to display the digital moisture reading.

6. MAINTENANCE

6.1 Cleaning

Wipe the device exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the probe area is clean and free of debris for accurate readings.

6.2 Storage

Store the moisture meter in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent potential leakage and damage to the device.

6.3 Battery Replacement

When the display indicates low battery power, replace the 9V (6F22 type) battery following the installation steps in Section 4.1.

7. TROUBLESHOOTING

- **No display when powered on:** Check if the battery is installed correctly and has sufficient charge. Replace the battery if necessary.
- **Inaccurate or inconsistent readings:**
 - Ensure the probe is clean and making good contact with the material.
 - Verify that the correct gear setting is selected for the material being tested.
 - Perform a zero adjustment before measurement.
 - Avoid measuring materials that are excessively wet or have surface moisture.
- **Device not responding:** Try replacing the battery. If the issue persists, contact customer support.

8. SPECIFICATIONS

Parameter	Value
Measurement Range	0-100%
Resolution	0.1%
Measurement Time	1 second
Accuracy	0.5%
Scanning Depth	50mm
Gear Conversion	0-10 segments
Working Principle	High frequency electromagnetic wave scanning
Use Environment	-40 °C to 60 °C
Power	9V (6F22 type) battery (not included)
Volume	185mm x 63mm x 32mm
Weight	200g

9. WARRANTY INFORMATION

Specific warranty details for the Jieotwice JK-T10 Moisture Meter are not provided in this manual. Please refer to your purchase documentation, the product packaging, or contact the manufacturer directly for comprehensive warranty terms and conditions.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries regarding your Jieotwice JK-T10 Moisture Meter, please contact Jieotwice customer support through the contact information provided with your purchase or on the official Jieotwice website.

