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Moisture Meter for Paper, Cardboard

User Manual

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1. Overview

Before using the meter, please read this manual carefully so that you can use it more correctly and master the recommended maintenance techniques. CT-7821E is a multifunctional measuring instrument suitable for measuring the moisture content of various papers and paper products. It is simple and fast to measure and is the preferred measuring instrument for construction and decoration.

2. Features

● Using microcomputer technology, the measurement is more accurate.

● Automatic temperature compensation effectively reduces the impact of temperature drift on measurement accuracy.

● Large-screen LCD display ensures clear readings without parallax.

● Low voltage automatic prompt function.

● The whole machine uses high-quality electronic components, and the shell is made of light and hard ABS plastic, which is beautiful and durable.

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3. Technical Specifications

Display	3-digit 17mm Large LCD
Moisture Measurement Range	1% - 40%
Instrumental Error	± (1%Rh+1)
Resolution	1%
Operating Environment	Temperature: -10°C to 60°C
	Humidity: 0-70% RH
Weight	Main unit: 90g (excluding battery)
Size	Main unit: 165x58x33mm
Gear	Gear 1: Coated Paper, White Cardboard
	Gear 2: Standard Cardboard, Thick Cardboard, Kraft Paper
	Gear 3: Writing Paper, Single-Sided Writing Paper, Writing Paper, Thin Wrapping Paper
	Gear 4: Offset Printing Paper

4. Panel Description

Strong protective cover

LCD HD display

High precision humidity sensor

Power switch

Data lock key

Gear change switch

5. Operating Instructions

● Install the battery correctly according to the instruction manual and press the button to turn on the instrument.

● Please check whether the value displayed on the LCD screen is 00.0%. Because the instrument sensor is highly sensitive, if there is a value displayed, it is caused by changes in air humidity. You need to turn the zero adjustment potentiometer to make the displayed value 00.0%. You can also use the test value minus the value displayed when the instrument is turned on to get the accurate moisture content of the object being measured.

● Select a suitable position to measure. Press the moisture measurement sensor lightly on the surface of the object being

measured. The instrument will display the moisture value of the measured material. Press the HOLD button during the measurement to lock the measurement on the display screen, which is convenient for reading and recording the measured value.

● After the measurement is completed, press the power off button and remove the battery.

6. Precaution

● This instrument is a high-resistance instrument, and each part has good insulation. When using and storing it, pay attention to moisture and dust prevention to avoid affecting the measurement.

● During use, when the low-power symbol is displayed on the display, please replace the battery in time to ensure the accuracy of the measurement results.

● If the instrument is not used for a long time, please remove the battery to prevent battery leakage and damage to the instrument.

● Since the penetration depth of this moisture meter is 50mm, when the thickness of the measured object is less than 50mm, please stack it for measurement, and the stacking thickness must not be less than 50mm.