Protmex HT633

Protmex HT633 Digital Wood Moisture Meter Instruction Manual

1. INTRODUCTION

The Protmex HT633 is a versatile digital moisture meter designed for accurately measuring moisture content in wood and various building materials. It also provides ambient temperature and humidity readings, making it a comprehensive tool for homeowners, woodworkers, and professionals. This manual provides detailed instructions for safe and effective use of your device.

Image Description: The Protmex HT633 Digital Wood Moisture Meter, displaying its LCD screen and exposed measurement pins, with its protective cap placed beside it.

2. PRODUCT OVERVIEW AND COMPONENTS

2.1 Key Features

- **Wood Moisture Meter:** Detects moisture content in wood and building materials with high precision pins.
- **Three-Color Backlit LCD Display:** Visual indication of moisture levels (Red for high, Orange for moderate, Green for low).
- **Multi-Function:** Measures ambient humidity and temperature (°F/°C).
- **7 Material Parameters:** Built-in settings for various wood and building material types.

* **Easy to Use:** Large backlit LCD, HOLD button, MAX/MIN function, auto power-off, low battery indicator.

2.2 Device Layout

Image Description: A detailed diagram of the Protmex HT633 meter, highlighting its key components such as the probe needles, LCD display, power button, data hold button, temperature/humidity switch, and material category selection button.

1. **Probe Needles:** For penetrating materials to measure moisture.
2. **LCD Display:** 2.26-inch screen with tricolor backlight for clear readings.
3. **Power Key:** Turns the device on or off.

4. **Data Hold (H) Button:** Freezes the current measurement on the display.

5. **Temperature/Humidity (°C/°F) Button:** Switches between Celsius and Fahrenheit for temperature, and displays ambient humidity.

6. **Material Category Selection (M) Button:** Cycles through the 7 built-in material types.

7. **MAX/MIN Button:** Displays the maximum or minimum recorded values.

3. PACKAGE CONTENTS

Image Description: An unboxed view of the Protmex HT633 moisture meter and its accessories, including batteries, a storage bag, spare pins, and a wrench.

Your Protmex HT633 package should contain the following items:

- 1 x Protmex HT633 Digital Moisture Meter
- 3 x 1.5V AAA Batteries
- 1 x Storage Bag
- 1 x User Manual (this document)
- 2 x Spare Measurement Pins
- 1 x Stainless Steel Wrench (for pin replacement)

4. SETUP

1. **Battery Installation:** Locate the battery compartment on the back of the device. Open it and insert three 1.5V AAA batteries, ensuring correct polarity. Close the compartment securely.

2. **Remove Protective Cap:** Carefully remove the protective cap covering the measurement pins at the top of the device. Keep the cap for safe storage when not in use.

3. **Power On:** Press the **Power Key** (🔋) to turn on the meter. The LCD display will illuminate.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **Power Key** to turn the device on. To turn it off, press and hold the Power Key for approximately 2 seconds, or allow the automatic power-off function to engage after 10 minutes of inactivity.

5.2 Unit Selection (°C/°F)

Press the **°C/°F** button to switch the temperature display between Celsius and Fahrenheit. This button also cycles through ambient humidity readings.

5.3 Material Category Selection

The HT633 features 7 built-in material categories to ensure accurate moisture readings for different types of wood and building materials. Press the **M** button to cycle through these categories (A, B, C, D, E, F, G). Refer to the included quick reference guide for specific material types corresponding to each category.

Image Description: The meter demonstrating its capability to measure moisture in both wood (top) and building materials (bottom).

5.4 Taking a Measurement

1. Select the appropriate material category using the **M** button.

2. Carefully push the measurement pins into the surface of the material you wish to test. Ensure both pins are fully inserted for an accurate reading.

3. The moisture content percentage will be displayed on the LCD screen.

4. To hold the current reading, press the **H** button. Press it again to release.

> Your browser does not support the video tag.

Video Description: A demonstration of the Protmex HT633 Digital Wood Moisture Meter in use, showing how to power it on, select units, and take moisture readings on both dry and wet wood surfaces. The video highlights the tricolor backlight feature indicating different moisture levels.

5.5 Interpreting Readings (Tricolor Backlight)

The HT633 features a tricolor backlit LCD display that visually indicates the moisture content level:

- **Green Backlight:** Indicates low moisture content (Dry).
- **Orange Backlight:** Indicates moderate moisture content (Moist).
- **Red Backlight:** Indicates high moisture content (Wet).

Image Description: Three views of the Protmex HT633 display, illustrating the red, orange, and green backlights that signify high, moderate, and low moisture content, respectively.

5.6 Temperature and Humidity Measurement

In addition to material moisture, the device can measure ambient temperature and relative humidity. These readings are displayed on the upper part of the LCD screen. Use the **°C/°F** button to toggle between temperature units.

Image Description: The Protmex HT633 meter displaying ambient temperature and humidity, along with their respective measuring ranges and accuracy specifications.

5.7 Data Hold Function

Press the **H** button to hold the current measurement on the display. This is useful for recording readings in hard-to-reach areas. Press the button again to exit hold mode.

5.8 Automatic Power-Off

The device is equipped with an automatic power-off function to conserve battery life. If no operation is performed for approximately 10 minutes, the meter will automatically shut down.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Always replace the protective cap over the measurement pins when not in use to prevent damage and injury. Store the meter in a dry, cool place.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Remove

batteries if the device will not be used for an extended period.

- **Pin Replacement:** If the measurement pins become dull or damaged, use the provided stainless steel wrench to replace them with the spare pins.

7. TROUBLESHOOTING

If you encounter issues with your Protmex HT633, please consider the following:

- **No Display/Power Issues:** Check battery installation and ensure batteries are not depleted. Replace if necessary.
- **Inaccurate Readings:** Ensure the correct material category is selected. Verify that the measurement pins are fully inserted into the material and are not bent or damaged. Ambient temperature and humidity can affect readings; ensure the device has acclimatized to the environment.
- **Display shows 'Lo':** This indicates very low moisture content, possibly below the meter's measurable range for the selected material.
- **Pins not penetrating:** Ensure the material is not excessively hard or dense. Do not force the pins, as this may damage them or the device.

For further assistance, please contact Protmex customer support.

8. SPECIFICATIONS

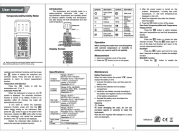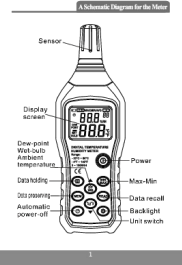| Feature	Specification
Manufacturer	HUABO
Part Number	HT633
Item Weight	.8 ounces
Package Dimensions	.24 x 3.58 x 2.24 inches
Item Model Number	HB-2
Batteries Included	Yes (3 x 1.5V AAA Alkaline)
Temperature Measuring Range	-4.0℉~140.0℉ (-20.0℃~60.0℃)
Humidity Measuring Range	0.0%~99.9%RH
Date First Available	September 7, 2022

9. WARRANTY AND SUPPORT

Protmex products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact details provided on the official Protmex website or within your product packaging. Please retain your proof of purchase for warranty claims.

Visit the Protmex Store for more information.

Related Documents - HT633

	[Protmex HT607 Temperature & Humidity Meter User Manual](#) Comprehensive user manual for the Protmex HT607 Temperature & Humidity Meter, detailing its features, operation, specifications, and maintenance. Learn how to measure ambient temperature, humidity, dew point, and wet bulb temperature with this high-precision digital hygrometer.
	[Protmex HT609 Gas Leak Detector User Manual](#) User manual for the Protmex HT609 Gas Leak Detector, covering safety information, operation, specifications, and maintenance.
	[Protmex PM6508 Digital Temperature & Humidity Meter User Manual - Environmental Monitoring](#) Comprehensive user manual for the Protmex PM6508 digital temperature and humidity meter. This guide details operation, features, and specifications for measuring ambient, dew point, and wet bulb temperatures, including MIN/MAX recording, data hold, and data storage. Ideal for indoor/outdoor environmental monitoring.
	[Protmex PT6508 Digital Temperature Humidity Meter User Manual](#) Comprehensive user manual for the Protmex PT6508 Digital Temperature Humidity Meter, covering operation, display screen, maintenance, and technical specifications for measuring ambient temperature, dew point, and wet bulb.
	[PT20C Weather Station Clock User Manual](#) User manual for the Protmex PT20C Weather Station Clock, detailing its features, setup, operation, and functions including temperature, humidity, air pressure, weather forecast, and alarm settings. Covers RCC and WWVB versions.
	[PT20C Weather Station Clock User Manual](#) User manual for the Protmex PT20C Weather Station Clock, covering features, operation, settings, specifications, and troubleshooting for both WWVB RCC and NO RCC versions.