

TECPEL®

TECPEL CO.,

LTD.

This instrument can be used to measure the moisture content of sawn timber (including paper and cardboard) and hardened materials (mortar, concrete, and plaster). It displays the moisture content directly. In addition, it can measure ambient temperature and provides illumination. This instrument is lightweight and very easy to use.

Specifications

Display: LCD –

Measuring Range: Wood: 6 ~ 44%

Material: 0.2 ~ 2.0%

Temperature: 0°C ~ 40°C

Resolution: Wood: ±1%

Material: ±0.05%

Temperature: 1°C / 2°F –

Accuracy:

Wood: Reading < 30%: ±2%; Reading ≥ 30%: ±4%

Material: Reading < 1.4%: ±0.1%; Reading ≥ 1.4%: 0.2%

Temperature: Not specified

Low Battery Indicator: Battery symbol appears on display

Humidity Measurement Over-Range Indicator:
Indicator bar flashes –

Batteries: 4 x 1.5V AAA batteries

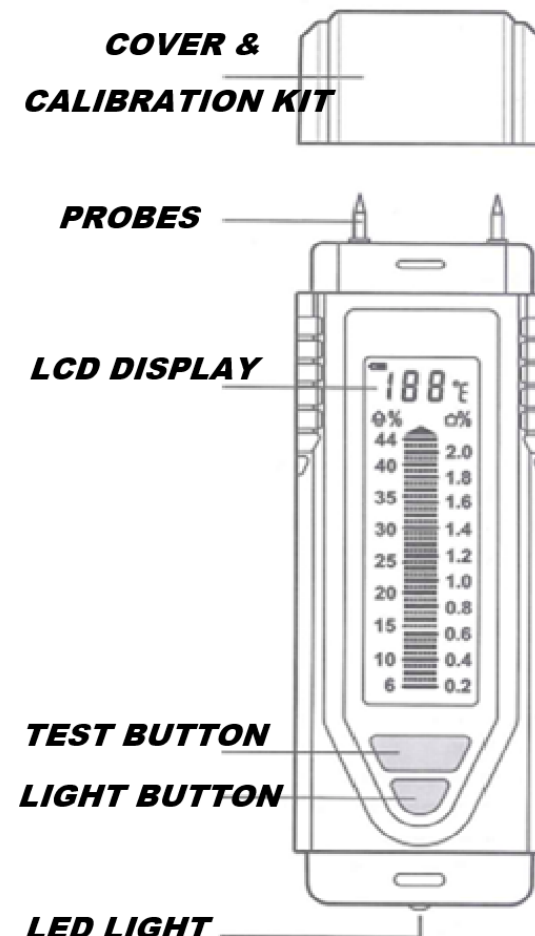
Operating Environment: Temperature 0°C ~ 40°C,
Relative Humidity < 85% -

Storage Environment: Temperature -10°C ~ 50°C,
Relative Humidity < 85% -

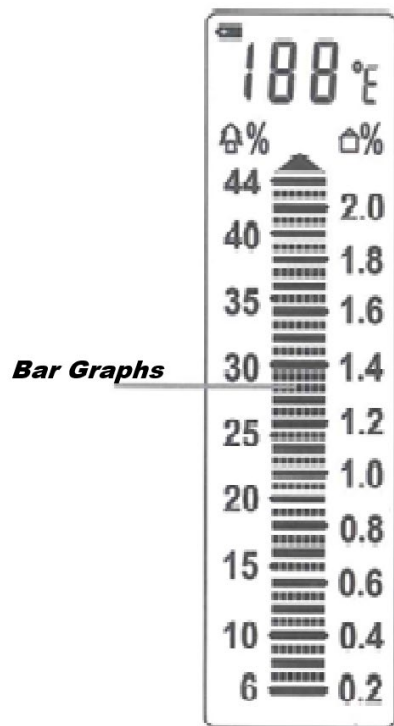
Dimensions: 145 x 44 x 34mm –

Weight: Approx. 132g (including battery)

Appearance Description



LCD Display



Indication Bars:

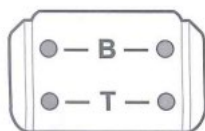
- When measuring wood, read the 6%–44% graduation on the left.
- When measuring mortar, cement, or other building materials, read the 0.2%–2.0% graduation on the right.

Operating Instructions

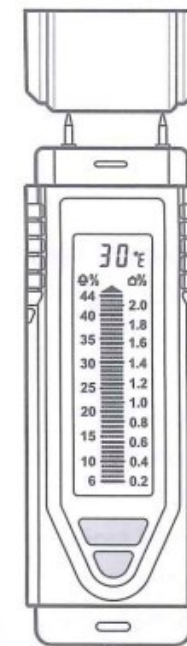
Using Illumination: At any time, press and hold the "Illumination Button" for approximately 3 seconds to turn on the LED light. Press the button again to turn off the light.

Measuring Moisture Content:

1. Press the test button to start the measurement.
2. Testing Instrument:



Note: There are two pairs of metal contacts on the top of the probe cap, which can be used to test the instrument. One pair of metal contacts is marked "T", and the other pair is marked "B"



Contact the two probes with the contact marked "T". The reading on the scale should be 19% \pm 1. - Contact the two probes with the contact marked "B". All indicator bars on the display should flash. - If the instrument operates as described above, it is ready for subsequent measurements.

3. Measure Ambient Temperature - The current ambient temperature will be displayed on the screen. - Press and hold the "Test Button" for approximately 3 seconds to switch between Celsius ($^{\circ}$ C) and Fahrenheit ($^{\circ}$ F).

--- The battery is low and should be replaced.

---Indicates timber moisture rate 6% ~ 44%

--- Indicates the moisture content of building materials such as mortar and cement. 0.2% ~ 2.0%

% --- Percentage (moisture content)

$^{\circ}$ C --- Temperature in Celsius ($^{\circ}$ C)

$^{\circ}$ F --- Temperature in Fahrenheit ($^{\circ}$ F)

4. Measure Moisture - Press the Test Button to start the measurement. - Insert the probe into the wood or material to be tested. The indicator bar will display the reading. - Wood/Paper: Read the left scale (%). - Hardened Materials: Read the right scale (%).

5. Automatic Shutdown - If the instrument is not operated for approximately 30 seconds (or the reading does not change), the instrument will automatically shut down and enter sleep mode.

- Note: The automatic shutdown function will be temporarily disabled when the illumination LED is on.

【Precautions】

1. Keep the instrument dry. 2. Avoid strong impacts.
3. Keep out of reach of children.
4. Remove batteries if not used for an extended period.
5. Replace batteries (1.5V AAA) if low on power.

【Disposal Instructions】 Do not dispose of this product in general waste; dispose of it according to electronic device regulations.

【Disclaimer】 1. The contents of this manual are subject to change without notice.

2. The manufacturer is not responsible for any damage caused by improper use.

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