

## Introduction

Thank you for purchasing your REED R6018 Dual Moisture Meter. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your meter will provide years of reliable service.

## Product Quality

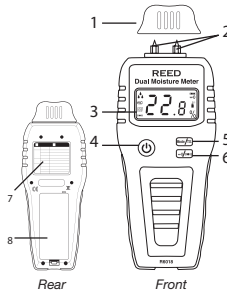
This product has been manufactured in an ISO 9001 facility and has been calibrated during the manufacturing process to meet stated product specifications.

## Safety

- Never attempt to repair or modify your instrument. Dismantling your product, other than for the purpose of replacing batteries, may cause damage that will not be covered under the manufacturer's warranty. Servicing should only be provided by an authorized service center.
- The electrode measurement pins on this instrument are sharp. It is strongly recommended to cover the pins with the included protective cap when not in use.

## Instrument Description

1. Self test (Pin Mode) /Protective cover
2. Testing pins
3. LCD Display
4. Power button
5. Mode (Pin/Pinless) and Material selection button
6. Display Hold/Beeper, On/Off button
7. Pinless sensor (Internal)
8. Battery compartment



## Display Description

1. Moisture Content Icons (1 to 3 drops indicate low, medium or high levels of moisture content)
2. Wood mode
3. Building Materials mode
4. Beeper mode
5. Moisture measurement
6. Display Hold mode
7. Battery status indicator



## Features

- Pin and Pinless functions detect moisture in wood and building materials
- Audible alert and Data Hold functions
- Built-in measurement verification and battery check
- Includes pins, protective cap and battery

## Specifications

Measuring Range(s):	Pin Mode: 5 to 50% (wood); 1.5 to 33% (building materials)
	Pinless Mode: 0 to 99.9% (wood and building materials)
Depth Detection:	Pin mode: 0.3" (8mm) Pinless mode: Up to 1" (25mm)

Accuracy:	Pin Mode: $\pm(3\% + 5 \text{ dgt.})$
Resolution:	0.1%
Sensor Type:	Dual Function (Contact Pin/Pinless)
Display:	LCD Display
Data Hold:	Yes
Audible Alert Indicator:	Audible tone (increased intensity as moisture level rises)
Replaceable Pins:	Yes
Auto Shut-off:	Yes (after 2 mins)
Low Battery Indicator:	Yes
Power Supply:	1 x 9V Battery
Product Certifications:	CE
Operating Temperature:	41 to 113°F (5 to 45°C)
Storage Temperature:	32 to 122°F (0 to 50°C)
Operating Humidity Range:	0 to 80%
Dimensions:	6.7 x 2.6 x 1.2" (170 x 65 x 30mm)
Weight:	4.2oz (120g)

## Operating Instructions

1. To use the pin mode, carefully remove the protective cap to expose the contact pins.
2. Turn the instrument ON by pressing the **POWER** button. If the instrument does not power on, verify if battery reads to be replaced.
3. Press the **MODE** button to cycle through the four material testing modes;
  - Wood - Pin mode
  - Building Materials - Pin mode
  - Wood - Pinless mode (icon blinking)
  - Building Materials - Pinless mode (icon blinking)
4. Once the desired mode has been selected follow the next steps;
  - Pin Mode** - Push the electrode pins into the material under test.
  - Pinless Mode** - When powered ON, first hold the instrument in open air and ensure the Pinless sensor is clear of objects. Next, select the desired pinless material mode. Once this is selected the meter will automatically zero-calibrate and the instrument is ready to take a pinless (non-invasive) measurement of the surface under test.
5. Press and hold the **POWER** button to switch off the instrument.

## Moisture Content Table (also located on the back of the meter)

	PIN MODE		PINLESS MODE	
	WOOD (%)	BUILDING MATERIALS (%)	WOOD (%)	BUILDING MATERIALS (%)
Total Range >	5 ~ 50	1.5 ~ 33	0 ~ 99.9	0 ~ 99.9
🔴 LOW	5 ~ 11.9	1.5 ~ 16.9	0 ~ 16.9	0 ~ 16.9
🟡 MEDIUM	12 ~ 15.9	17 ~ 17.9	17 ~ 29.9	17 ~ 29.9
🟢 HIGH	16 ~ 50	20 ~ 33	30 ~ 99.9	30 ~ 99.9

## Display Hold

Press the **DISPLAY HOLD** button when the instrument is powered on to freeze the displayed reading. Press the button again to resume normal operation.

## Auto Power-Off

As a default the instrument will automatically turn off after 2 minutes of inactivity.

## Turning Beeper ON/OFF

The instrument beeper is set to ON by default. To switch the beeper OFF, press and hold the **DISPLAY HOLD/ON/OFF BEEPER** button until the icon disappears. Press the button again to reactivate the beeper.

## Pin Mode Self-Test

Turn the instrument on and set the Mode to the desired Pin mode (Wood or Building Materials). Remove the protective cap and put the testing pins through the the holes at the top of the Protective cap. If the meter is functioning properly you should see the following measurement displayed on the LCD screen;

- Wood Mode: 17 to 19%
- Building Materials Mode: 15.5 to 17.5%

In the case that the instrument measures outside of these ranges try replacing the battery. If the instrument continues to read outside the set self-test range the instrument should be returned for service.

## Battery Replacement

1. When the LCD display battery icon appears empty or is flashing, replace the battery.
2. Open the Battery Cover on the back of the meter & remove the battery.
3. Replace the 9V battery, check that the polarization is correct, and reinstall the cover.

Permanent Damage to the circuit can result from incorrect installation.

## Applications

- Construction and Building Projects
- Remediation and Restoration
- Woodworking

## Product Warranty

REED Instruments guarantees this instrument to be free of defects in material or workmanship for a period of one (1) year from date of shipment. During the warranty period, REED Instruments will repair or replace, at no charge, products or parts of a product that proves to be defective because of improper material or workmanship, under normal use and maintenance. REED Instruments total liability is limited to repair or replacement of the product. REED Instruments shall not be liable for damages to goods, property, or persons due to improper use or through attempts to utilize the instrument under conditions which exceed the designed capabilities. In order to begin the warranty service process, please contact us by phone at 1-877-849-2127 or by email at [info@REEDInstruments.com](mailto:info@REEDInstruments.com) to discuss the claim and determine the appropriate steps to process the warranty.

## Product Support

If you have any questions on your product, please contact your authorized REED distributor or REED Instruments Customer Service by phone at 1-877-849-2127 or by email at [info@REEDInstruments.com](mailto:info@REEDInstruments.com).

Please visit [www.REEDInstruments.com](http://www.REEDInstruments.com) for the most up-to-date manuals, datasheets, product guides and software.

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