

**R6010**

# **REED** **INSTRUMENTS**

## **Pinless Moisture Meter**



## **Instruction Manual**



**REED Instruments**

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# Table of Contents

Introduction .....	2
Product Quality.....	3
Safety .....	3
Features.....	3
Specifications .....	3-4
Instrument Description .....	4
Display Description .....	5
Operating Instructions.....	5-7
<i>Alarm Settings</i> .....	6
<i>Alarm Setup Mode</i> .....	6-7
<i>Backlighting</i> .....	7
Moisture Comparison Table .....	7
Battery Replacement.....	8
Accessories and Replacement Parts .....	8
Product Care .....	8
Product Warranty .....	9
Product Disposal and Recycling .....	9
Product Support.....	9

## Introduction

Thank you for purchasing your REED R6010 Pinless 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 ISO9001 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.

## Features

- Non-invasive measurements, run sensor over surface being tested without scratching or penetrating the surface
- Classifies moisture status as: dry, at risk or wet
- Detects moisture content in various building materials
- Measurement depth from 0.8" (20mm) to 1.6" (40mm)
- Data Hold and Min/Max functions
- User adjustable alarms with audible and visual indicators
- Large backlit LCD display
- Low battery indicator and auto shut-off

## Specifications

Measuring Range:	0 to 100.0% Moisture Content
Depth Detection:	0.8 to 1.6" (20 to 40mm)
Resolution:	0.1%
Sensor Type:	Pinless
Display	LCD Display
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes

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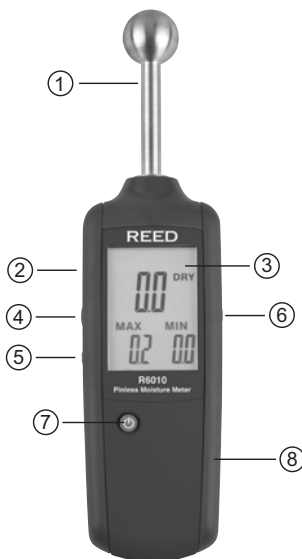
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Max:	Yes
Auto Shut-off:	Yes (30 secs)
Low Battery Indicator:	Yes
Power Supply:	3 x AAA batteries
Product Certifications:	CE
Operating Temperature:	32 to 104°F (0 to 40°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity Range:	0 to 85%
Dimensions:	9.5 x 2.5 x 1.2" (242 x 63 x 30mm)
Weight:	8 oz (226g)

## Instrument Description

1. Moisture Sensor
2. UP/Backlight Button
3. LCD Display
4. Alarm SET Button
5. DOWN Button
6. Measure/Data Hold Button
7. Power Button
8. Battery Cover



## Display Description

1. Low Battery Indicator
2. Data Hold Indicator
3. Current Moisture Value
4. Status Indicators
5. MAX Indicator
6. MAX Moisture Value
7. MIN Indicator
8. MIN Moisture Value



## Operating Instructions

1. Turn the meter ON by pressing the ⏻ button.
2. Please be advised that you must calibrate the meter before first use.
3. To calibrate the meter, press the **MEAS** button while holding the meter in an upright position so the ball sensor is in the air and at least 3 to 4" (8 to 10cm) away from any object.
4. "CAL" will display on the LCD screen while the unit self-calibrates.
5. When calibration is complete, the beeping and flashing will stop, and a measurement will be displayed. The measurement must be below 0.5% in order to take accurate measurements. If not, you must turn the meter off, move to a dry area and recalibrate by repeating steps 1 to 4.

**NOTE:** When you move from the location of your initial calibration you must recalibrate the meter.

6. After the meter is calibrated it will automatically start to take readings.

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7. To take a measurement, position the sensor so that it is directly touching the surface being tested. The moisture sensor ball head must be kept perpendicular to the material being measured, pressed firmly on the surface and not slanted.
8. The LCD displays a relative moisture reading from 0.0% to 100.0% with programmable alarm indicators (DRY, RISK and WET) – See "Alarm Setup Mode" to program alarms.
9. The MAX and MIN indicators display the highest and lowest readings recorded during the measuring period.
10. To hold the current measurement press the **MEAS** button and the data hold symbol will appear on the LCD screen. In order to resume normal operation, press the **MEAS** button again.
11. After 60 seconds of inactivity (in Data Hold Mode), the meter will automatically power off.

### *Alarm Settings*

1. The default RISK alarm value is set at 30%. The RISK alarm value can be set between 0% and 50%. – See "Alarm Setup Mode" to program alarms.
2. The default WET alarm value is set at 60%. The WET alarm value can be set between 50% and 100%. – See "Alarm Setup Mode" to program alarms.


### *Alarm Setup Mode*

1. To adjust RISK and WET alarm values, the meter must be turned on and calibrated (see steps 1 to 4 in Operating Instructions).
2. Press the **MEAS** button to put the meter in data hold mode and press the **SET** button.
3. The RISK symbol will appear on the LCD screen as well as the value in which the RISK alarm is set to.
4. To change the alarm value, press the **UP** or **DOWN** buttons.
5. Press the SET button to save your setting and to move onto the WET alarm value.
6. The WET symbol will appear on the LCD screen as well as the value in which the WET alarm is set to.

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7. To change the WET alarm value, press the **UP** or **DOWN** buttons.
8. Press the **SET** button to save the WET alarm value and to return to data hold mode.
9. If the moisture measurement exceeds the set RISK alarm setting, the meter will beep every second. If the moisture measurement exceeds the set WET alarm setting, the meter will beep every half second.
10. Press the **MEAS** button to exit data hold mode and resume normal operation.


### ***Backlighting***

Press the **UP**/ button to turn backlighting on and off.

## **Moisture Comparison Table**

Construction Material	Display (Unit)	Moisture Status
Gypsum	<30	DRY
	30-60	RISK
	>60	WET
Cement	<25	DRY
	25-50	RISK
	>50	WET
Wood	<50	DRY
	50-80	RISK
	>80	WET

## Battery Replacement

If  appears on the LCD screen, the batteries should be replaced immediately. In order to replace the batteries, proceed with the following steps.

1. Turn off the meter
2. Remove the Phillips-head screw located on the battery compartment
3. Remove the battery cover
4. Replace the three (3) "AAA" 1.5V batteries
5. Reinstall the battery cover

## Accessories and Replacement Parts

### CA-05A Soft Carrying Case

Don't see your part listed here? For a complete list of all accessories and replacement parts visit your product page on [www.reedinstruments.com](http://www.reedinstruments.com).

## Product Care

To keep your instrument in good working order we recommend the following:

- Store your product in a clean, dry place.
- Change the battery as needed.
- If your instrument isn't being used for a period of one month or longer please remove the battery.
- Clean your product and accessories with biodegradable cleaner. Do not spray the cleaner directly on the instrument. Use on external parts only.



## 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 Disposal and Recycling



Please follow local laws and regulations when disposing or recycling your instrument. Your product contains electronic components and must be disposed of separately from standard waste products.

## 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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