

R6013

# REED INSTRUMENTS

## Pocket Size Moisture Detector



Instruction  
Manual



**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

# Table of Contents

|  |     |
|--|-----|
| Introduction .....                             | 3   |
| Product Quality.....                           | 3   |
| Safety .....                                   | 3   |
| Features.....                                  | 3   |
| Specifications .....                           | 4   |
| Included.....                                  | 4   |
| Display Description .....                      | 4   |
| Operating Instructions.....                    | 5-6 |
| <i>Getting Started</i> .....                   | 5   |
| <i>Changing the Electrodes (Pins)</i> .....    | 5   |
| <i>Built-in Measurement Verification</i> ..... | 5-6 |
| <i>Built-in Battery Check</i> .....            | 6   |
| Battery Replacement.....                       | 6   |
| Auto Power OFF .....                           | 7   |
| Applications.....                              | 7   |
| Accessories and Replacement Parts .....        | 7   |
| Product Care .....                             | 7   |
| Product Warranty .....                         | 7-8 |
| Product Disposal and Recycling .....           | 8   |
| Product Support.....                           | 8   |

## Introduction

Thank you for purchasing your REED R6013 Pocket Size Moisture Detector. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your detector 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. If a certificate of calibration is required please contact the nearest authorized REED distributor or authorized Service Center. Please note an additional fee for this service will apply.

## 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

- Measures wood and building material moisture
- Detects moisture in sawn timber, sheet rock, cardboard, plaster, concrete and mortar
- Compact size with belt clip
- Durable impact-proof plastic housing
- Built-in measurement verification and battery check
- Replaceable pins
- Low battery indicator and auto shut-off

## Specifications

|                           |  |
|---------------------------|--|
| Measuring Ranges:         | Wood: 6 to 44% Moisture Content<br>Materials: 0.2 to 2.0% Moisture Content |
| Accuracy:                 | Wood: $\pm 1\%$<br>Materials: $\pm 0.05\%$                                 |
| Resolution:               | Wood: 1%<br>Materials: 0.1%  |
| Sensor Type:              | Contact Pins   |
| Display:                  | LCD (Bargraph)   |
| Replaceable Pins:         | Yes  |
| Auto Shut-off:            | Yes (after 15 mins)  |
| Low Battery Indicator:    | Yes  |
| Power Supply:             | 3 CR2032 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:               | 5.1 x 1.6 x 1" (130 x 40 x 25mm)   |
| Weight:                   | 3.5 oz (100g)  |

## Included

- Protective Cap
- Batteries

## Display Description

The LCD displays two scales:

1. The wood scale (🪵%) indicates wood moisture from 6 to 44%.
2. The building materials scale (🏠%) indicates moisture content from 0.2 to 2.0%.

# Operating Instructions

## Getting Started

1. Remove the protective cap to expose the electrodes.
2. The meter automatically switches ON when the cap is removed.
3. Secure the cap on the bottom side of the meter.
4. Press the measuring electrodes as far as possible into the material.
5. Read the measurement values on the display.
6. Once testing is finished, re-attach the cap and the instrument will automatically power off.

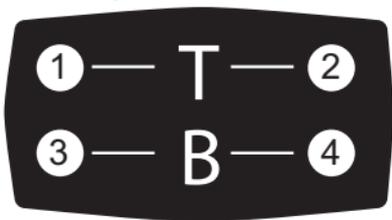
## Changing the Electrodes (Pins)

In order to replace your electrode pins, follow steps 1 through 7 below:

1. Using a Phillips-head screwdriver remove the 5 screws on the back of the instrument.
2. Remove the battery compartment to expose the batteries.
3. Remove the batteries.
4. Remove the housing lid.
5. Using a Phillips-head screwdriver remove the 4 screws located at the top of the electronic plate.
6. Remove and replace the electrode pins.
7. Reinstall the electronic plate, housing lid, batteries and battery compartment.

## Built-in Measurement Verification

Make contact with test pins 1 and 2 (as shown below) which are located on the top of the protective cap.



*continued...*

**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

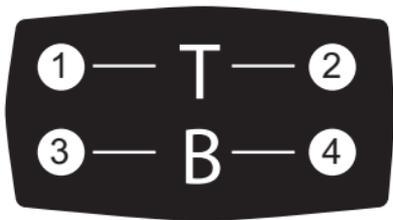
During the verification process, the meter should measure as follows:

1. Wood: 27%  $\pm$ 2%
2. Building Materials: 1.25%  $\pm$ 0.1%

If during the verification process the meter does not read within these parameters, your instrument should be sent in for servicing.

### ***Built-in Battery Check***

Make contact with test pins 3 and 4 (as shown below) which are located on the top of the protective cap.



During the verification process, the meter should measure as follows:

1. Wood: >44%
2. Building Materials: >2.05% (Display has to be full)

If during the battery check process the meter does not read within these parameters, the batteries will need to be replaced.

## **Battery Replacement**

If the instrument does not automatically turn on when the protective cap is removed, the LCD displays the , or the Battery Check fails, the batteries should be replaced as follows:

1. Remove the Phillips head screw on the battery compartment located on the back of the meter.
2. Remove the batteries.
3. Install three (3) new CR-2032 3V batteries.
4. Secure the battery compartment with the Phillips head screw.

## Auto Power OFF

In order to conserve battery life, the meter will automatically turn off after approximately 15 minutes. To turn the meter back on press and release the yellow cutoff switch located between the electrodes. Always secure the protective cap when the instrument is not in use.

## Applications

- Construction and Building Projects
- Remediation and Restoration
- Woodworking

## Accessories and Replacement Parts

### **R6013-P** Replacement Pin

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.

*Product specifications subject to change without notice.  
All rights reserved. Any unauthorized copying or reproduction of this manual is strictly prohibited without prior written permission from REED Instruments.*

**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

# REED

## INSTRUMENTS

### TEST & MEASURE WITH CONFIDENCE



**CHECK OUT OUR LATEST PRODUCTS!**

**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)