

REED

Model R6013

Wood
Moisture
Meter



Instruction Manual

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www.reedinstruments.com

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Features

- Measures the moisture content of sawn timber (also cardboard and paper) and hardened materials like plaster, concrete and mortar
- Average adjustment for European wood based on a wood temperature of 20°C
- Impact-proof plastic housing
- Auto power-off
- 8mm long integrated electrode is replaceable

Specifications

Measuring principle:	Electrical resistance
Electrode length:	8 mm
Electrodes:	Integrated, replaceable
Measuring range:	Wood: 6 – 44 % Material: 0.2 – 2.0 %
Display Wood:	±1 %
Accuracy:	Material: ±0.05 %
Auto power OFF	After approx. 15 minutes
Battery:	3 × Cr 2032, replaceable
Housing material:	Impact-proof plastic housing

Ambient temperature:	0 - 40°C
Ambient Relative humidity:	0 – 85 %RH
Dimensions:	130 × 40 × 25 mm
Weight:	100g
Warranty:	1 year
Optional Accessory:	Replacement Pin (REED Model R6013-P)

Operating Instructions

Maintenance

- Always keep instrument dry
- Prevent dirt from getting in between the measuring electrodes
- How to change the electrodes: Unscrew the 5 screws at the back of the instruments. Remove housing lid. Unscrew all 5 screws on the electronic plate. Replace the electrodes. Reinstall the housing lid and screw the 5 screws back in place.

Function Check

“O-----T-----O”

Connect electrodes with T contacts to the protective cap. Reference display for wood: 27% ±2% Reference display for building material: 1.25% ±0.1% When you encounter a Function error you will need to send the instrument for servicing.

REED Instruments can service this instrument for you, for information e-mail info@reedinstruments.com

Getting Started

- Remove the cap from the top side and place on the bottom side. The instrument switches on automatically.
- Press the measuring electrodes as far as possible into the material.
- Always measure the moisture in the wood perpendicular to the fibre structure.
- Repeated measuring yields representative measured data.
- Once the measurement is finished, reattach the cap on the top side and the instrument switches itself off.

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Additional Functions

Display

The reading is shown in the form of bars:

———— a continuous line = even values e.g. 6, 8, 14

- - - - dotted line = uneven values e.g. 7, 11

Overflow: reading > 44%/2.0%

Note: Characteristics due to growth or type of wood and deviating wood temperatures may make it necessary to correct the displayed values. Measurements should be carried out according to the drying and weighing/calcium carbide method in the case of inspections or for reference purposes.

Automatic Power OFF

In order to conserve battery life, the meter will automatically turn off after approximately 15 minutes. Press the power switch of the meter to restore the display the meter was previously on.

Battery check

“O-----**B**-----O”

Connect electrodes with B contacts to the protective cap.

Reference display for wood: >44%

Reference display for building material: >2.05% Display has to be full.

Battery Replacement

1. When the LCD display shows LO BAT “”, it indicates the battery output is either empty or has dropped below the operating voltage require. Replacement of the batteries is now needed.
2. Unscrew the 1 screw and open the Battery Cover at the back of meter and remove the battery.
3. Replace with new batteries, check the polarization is correct, and reinstall the cover.