REED

Model R6010

Moisture Detector

Instruction Manual

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Features

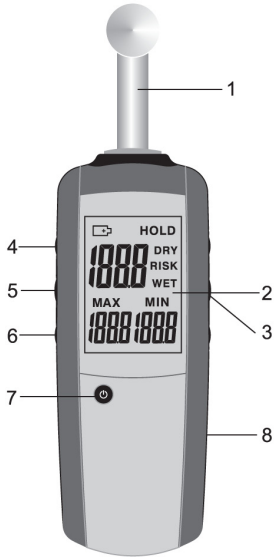
- Detects moisture content in building materials of all kinds, as well as detects moisture distribution in walls, ceilings and floors
- Non-destructive - moisture sensor runs smoothly over the surface being tested without scratching or penetrating the surface
- Classifies moisture status as: dry, at risk or wet
- Display Hold button
- Max/Min function with alarm indication
- LCD display with backlighting
- Low battery indication with auto power off

Specifications

Measuring Range:	0.0 to 100.0% Moisture Content
Resolution:	0.1% M.C.
Penetration Depth:	20 to 40mm
Power Supply:	3 x “AAA” batteries
Dimensions:	242 x 63 x 30mm
Weight:	226g
Optional Accessories:	Soft Carrying Case (Model CA-05A)

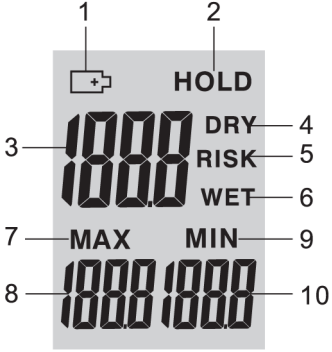
Instrument Description

1. Moisture sensor
2. LCD display
3. MEAS button
4. UP/Backlighting button
5. Alarm SET button
6. DOWN button
7. ON/OFF button
8. Battery cover



Display Description

1. Low Battery indicator
2. Data Hold symbol
3. Current moisture value
4. DRY symbol
5. RISK symbol
6. WET symbol
7. MAX symbol
8. MAX moisture value
9. MIN symbol
10. MIN moisture value



Operating Instructions

Taking a Measurement

Turn the meter ON by pressing the ⏻ button. Hold the meter in a upright position so the ball sensor is in the air and at least 8-10cm away from any object. Press the MEAS button and “CAL” will display on the LCD screen. The value must be below 0.5 to be able to take accurate measurements. If the reading is above 0.5 you must turn the meter off and move to a dry area to calibrate. After the meter is calibrated it will automatically start to take measurements. To hold the current measurement press the MEAS button and the data hold symbol will appear on the LCD screen.
After 30 seconds of inactivity the meter will auto power off.

Note: When you move from the location of your initial calibration you must re-calibrate the meter

Alarm Set Mode

To change the RISK and WET alarm value turn on and calibrate the meter. Press the MEAS button to put the meter in data hold and press the SET button. The RISK symbol will appear on the LCD screen and the value which the RISK alarm is set to. To change the alarm value press the UP or DOWN buttons. Press the SET button to save your setting and to change the WET alarm value. The WET symbol will appear on the screen beside the WET alarm value. To change the WET alarm value press the UP or DOWN buttons. Press the SET button to save the WET alarm value and to return to data hold mode. If the moisture measurement exceeds the RISK alarm setting the meter will beep every second. If the moisture measurement exceeds the WET alarm setting the meter will beep every half second.

Note: The RISK alarm value is between 0-50. The default setting is 30
The WET alarm value is between 50-100. The default setting is 60

Backlighting

When the meter is in data hold, press the UP button to turn the backlighting on or off.

Moisture Table of Comparison

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

Notes:

- Be sure to maintain a minimum distance of 8-10cm from corner areas as to not take in conflicting values
- The moisture sensor ball head must be kept perpendicular to the material being measured, pressed firmly on the surface and not slanted
- If the thickness of the material being measured is less than 20mm the reading may not be accurate due to conflicting values
- If the BAT symbol appears on the LCD screen, the batteries need to be replaced

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