

Operation Manual

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Safety and environmental protection

About this manual

* Before using this product, please read this manual carefully and familiarize yourself with the operation of the product. Please keep this manual properly so that you can refer to the need.

* Please pay special attention to the following information:



Message: Attention!

If there is no precautionary precautionary measures, minor physical injury or equipment damage may occur.

* important hint.

Precautions to avoid personal injury or damage to the instrument

* Properly operate the instrument within the range specified in the technical data sheet for the intended use of the product. Do not be too hard.

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* Do not store this product with solvents, acids, or other corrosive substances.

* Perform only the maintenance and repair work described in this document. When engaging in such work, follow the prescribed steps.

Environmental recovery

* Dispose of damaged rechargeable batteries and exhaust batteries to the specified battery recovery point.

* When the instrument is scrapped, try to send the instrument back to the company. We will protect the product in an environmentally friendly manner.

Quality assurance

* To ensure that customers enjoy the perfect product after-sales maintenance services, all of China's authorized agents by the company to sell the product, will be admitted in the database corresponding serial number (SN), the customer can find the back of the device in the series number. We will verify the number when the customer finishes the instrument. If the instrument does not have the correct serial number, or the serial number of the standard

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Knowledge is forced to tear, then the customer can not enjoy the maintenance of the company's service center in the right. The initiative on the one hand to fully protect the legitimate rights and interests of users, on the other hand also improve the company's quality management system.

specifications

Function and use

The 2GA is an instrument for measuring the moisture content of materials and is often used to measure the moisture content of wood or building materials.

This measurement can provide a basis for the need for continued drying. The moisture content of the material is given in percent by weight. Technical data and Measurement data .

Sensors:

Resistance (conductivity measurement) moisture humidity sensor, temperature sensor

Parameters: % Material moisture content (wood and building materials) C / F temperature.

Measuring range: See section "Instrument operation"

Resolution: 0.1%, 1 °C

The instrument measures the maximum permissible error (± 1 digit at 25 °C):

Moisture measurement: $\pm 1\%$, temperature measurement: ± 1.5 °C

Measurement rate: 0.5 seconds.

Detailed instrument data

Protection class: IP 20

Ambient temperature: (-10 ... 50) °C

Storage temperature: (-40 ... 70) °C

Power supply: 1 section 6F22 9V battery

Battery life: 100 hours

Weight: 100g (including battery and protective cover)

Instructions, standards and measurements

EC Directive: 2004/108 / EEC

Warranty

warranty period: 1 year

Warranty Terms: See warranty card

the product description

1, protective cap

2, the electrode

note! Be careful of the electrode

Cause personal injury!

* When the instrument is not in use, cover the protective cap

3, the display

4, * C / F control button

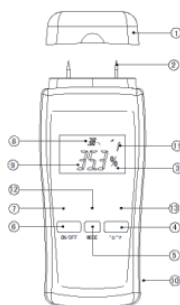
5, the choice of materials

6, power switch button

7, LED lights were measured humidity measurement

8, the temperature display

9, humidity display



10, the battery box (in the back of the instrument)

11, material type selection display

the instrument operation

* To ensure the accuracy of the measurement readings, select multipoint for repeated measurements. Be sure to measure wood moisture along the texture.

* The values shown are closely related to building materials / manufacturers and the surrounding environment. Sometimes even the same material, there will be a large difference between the different batches.

1, ON / OFF button, press this button to open the instrument power, LCD screen display.

2, MODE button, press this button, according to the type of material set the test material test material curve number.

Material humidity is displayed in the middle of the screen, and the material identification (wood and building material) is displayed simultaneously with the corresponding material characteristic curve number.

Adjustable material measurement range (weight ratio)

1. beech, spruce, larch, birch, cherry, walnut :8.8 ... 54.8% by weight

2. Oak, pine, maple, gray trees, Douglas fir, Eucalyptus urophylla: 7.0 47.9% by weight

3. Cement mortar layer, concrete :0.9 22.1% by weight

4. Anhydrous gypsum mortar layer: 0.0 11.0% by weight

5. Cement mortar: 0.7 8.6% by weight

6. Lime mortar, gypsum :0.6 8.6% by weight

7. Brick :0.1 16.5% by weight

* Press MODE several times until the desired type of material is displayed on the screen

* C / F button, press this button to select the temperature unit symbol, The temperature is displayed at the top of the screen,

* Red and yellow LED lights instructions (prompting the user to be measured material in the state):

The green light represents high humidity

The yellow light represents moderate humidity

Red light on behalf of the small humidity

Equipment maintenance and maintenance

*Replacement battery

1, open the battery box,

2, remove the old battery, put (1 9V6F22 battery). Note the battery polarity

3, close the battery box

* Clean the shell

If the case is dirty, clean the case with a damp cloth. Do not use corrosive cleaners or solvents

Tips and help

Frequently Asked Questions Possible cause of failure / solution

HI or LO. The reading is out of the measuring range (the reading is too large or too small), Please measure within the specified measuring range The .



The remaining battery is less than 10 minutes: replace the battery.

Clean the electrode contacts at the top of the meter. If the error message appears again, please send the instrument back to our service center

Measuring electrode is defective / damaged Please send the instrument back to our service center

Clean and protect the electrode contacts at the top of the instrument electrode. If the error message appears again, please send the instrument back to our service center.

Measuring electrode is defective / damaged Please send the instrument back to our service center

Typical values for balanced moisture (dryness of building materials):

Material	Material moisture	Characteristic curve
Anhydrous gypsum mortar layer	: 4 <0.5% by weight	
Concrete	: 3 <2.2% by weight	
Gypsum	: 6 <0.8% by weight	
Lime mortar	: 6 <20.% by weight	
No-hole sintered brick:	7 <1.0% by weight	
Cement mortar layer	: 3 <30.% by weight	
Cement mortar	: 5 <3.0% by weight	
Environmental conditions:	20 °C, 65% RH	

The temperature of the wood installation water is set to use for a period of time DIN 1052-1 (4/88) Para.4.2.1)

Characteristic curve Applicable type Wood moisture (weight percentage)

1 or 2	enclosed building with heating	9 ± 3
1 or 2	closed building, no heating	12 ± 3
1 or 2	Roof open building	5 ± 3
1 or 2	full open building	18 ± 6

If we do not answer your question, please contact your dealer or our customer service. For more information, please refer to the warranty card.