

Technical Parameters

	Gear	Range	Resolution
Wood	1	6.0%~39%	0.10%
	2	7.0%~48%	
	3	8.5%~55%	
	4	9.5%~65%	
Other material	A	0%~10.9%	
	B	0%~8.9%	
	C	0%~9.9%	
	D	0%~15.9%	
Precision		±2% Wood gear1	
Operating temperature		0°C~40°C	
Operating humidity		20%RH~90%RH	
Automatic shutdown		About 10 minute	
Length of probe		9.8mm	
Battery		2*1.5V AAA Battery	
Size		135.6*55*29.4mm	
Weight		107.7g(excluding battery)	

Notice

1. This unit calibrate itself automatically after power-ing on, and the probe can not touch any subject while powering on.
2. The probe is very sharp, do not point it to the people or leave it to children as their toy.
3. Avoid the corrosive liquid contact with the unit and the probe from any possible damage.
4. Do not let the probe contact the object with electricity to avoid damage arisen from that.
5. When the [] appears, that indicates the low battery which may effect the precision of the unit. Please replace the battery immediately.
6. Take out the battery if the unit is expected not in operation for a long time.

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For more details product instructions, please scan the QR code to obtain
 Scannen Sie bitte den QR-Code für detailliertere Produktbeschreibungen
 Veuillez scanner le code QR pour obtenir des instructions de produit plus détaillées
 si desea obtener más información sobre el producto, escanee el código QR
 Para obter instruções mais detalhadas do produto, digitalize o código QR para obter
 Per manual di prodotto più dettagliati, scansionare il codice QR per ottenerli
 詳細な製品説明書はQRコードをスキャンして取得してください
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Wood Moisture Meter Instruction manual MOT-270W

Introduction

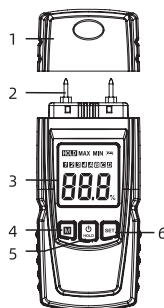
This is a Wood Moisture Meter of DC resistance (probe type), with selection among 4 wood gears and other material, which can be widely applied in the fields of testing the moisture content in the woods, bamboo ware, paper articles and traditional Chinese medicinal material, these of wood fibre construction.

Function

1. Selection among 4 gears of wood and other material
2. Reading lock
3. Review of maximum moisture reading
4. Review of minimum moisture reading
5. Battery volume alert
6. Large non-parallax LCD with legible display
7. Automatic/manual power off

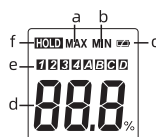
Part Name

1. Built-in-one protective cover
2. Built-in-one probe
3. LCD
4. Woods type and other material selection button
5. Power on/off and reading hold button
6. Maximum/minimum reading selection button



LCD Display

- a. Maximum reading
- b. Minimum reading
- c. Battery volume
- d. Moisture content in woods
- e. Wood type selection
- f. Reading hold



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Operation Instruction

1. Insert battery and press the HOLD button to power on. long press on the button for 2s to power off and it will be powered off automatically if there is no further operation on the button within 10 minutes
2. After power on, short press the M button to switch the gear. Refer to the "Comparison table of material grade" to select the gear, if the specie to be measured is not in the comparison table, Gear 3 is usually recommended to be used for measurement, but the measurement error caused by this is needed to be paid attention to when measuring, the two probes should be inserted into the test object at the same time.
3. Press the HOLD button to lock the reading with HOLD character appearing on LCD, press the HOLD button again to cancel the hold function.
4. Press the SET button to select maximum or minimum reading.

Determining The Gear

If the moisture content of the wood to be measured is not clear, the following method can be used to determine the gear: take an average sample from the wood and measure it respectively with 4 gears and record the readings, then take a piece of sample into the oven and measure the moisture content with oven drying method, then find the proper level by comparison with the average value of the 4 measured readings. If there is no condition to operate above, it is recommended to use gear 3 to measure. It is noted that the error resulted in must be taken into consideration.

Water Content Measure Method

There are Oven Dry method, electric method, distillation method and humidity method to measure the moisture content of the wood.

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Oven Dry method is to find the water content by reckoning difference between the wood before and after being dried which is an precise but time consuming and complex, normally applied in laboratory. The Electric method is quick and convenient though not so precise as Oven Dry method, it is suitable for application on the massive wood or bamboo product.

Comparison Table Of Material Grade

Wood			
Wood	Grade	Wood	Grade
Rhodes west teak	1	African whitewood	3
Ormosia hosiei	1		
Brazil walnut tree	1	Gmelina chinensis benth	3
Walnut tree	2		
Apitong	2	Hemlock	3
White poplar	2	Dipterocarpus	3
Teak	2	Oak	3
Banya pine	3	Chinese red pine	4
Douglas fir / D-fir	3	Coquito	4
Lauan	3	Abies holophylla maxim	4
Manchurian ash	3		
European silver	3	Larch	4
Maple	3	Apitong	4
White ash	3	Birch	4
Rose wood	3	Basswood	4
Other material			
A		Karstenite	
B		Cement mortar	
C		Lime mortar	
D		Brick	

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