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CE  Version: GM610/GM620-EN-02



GM610

## Moisture Meter User's Manual



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## پتروفرفان گستر جنوب

### Features

- Adjustable for 4 tree species.
- Reading lockable.
- Auto temperature compensation for environment varying.
- Maximum moisture reading review.
- Backlight on/off switch.
- Applying CPU technology for accurate measuring.
- 2 pcs of AAA battery for power supply with battery icon for indication of power.
- Large LCD.
- Automatic turn-off if there is no further operation within 120 seconds while manual turn-off can be performed.
- Able to measure the environmental humidity and temperature.
- Compact and fine design with solid and light plastic material, Portable and easy operation.

### Technical index

	Range	Max error	Resolution
Moisture	Spc1 : 2~40%	±1%+0.5	0.5%
	Spc2 : 2~50%		
	Spc3 : 2~60%		
	Spc4 : 2~70%		
Temperature	-10°C~60°C	±1°C	0.1°C
Humidity	20%RH~95%RH	±5.0%RH	0.1%RH
Operating environment	Temperature: 0°C~40°C; Humidity: 20%RH~95%RH		

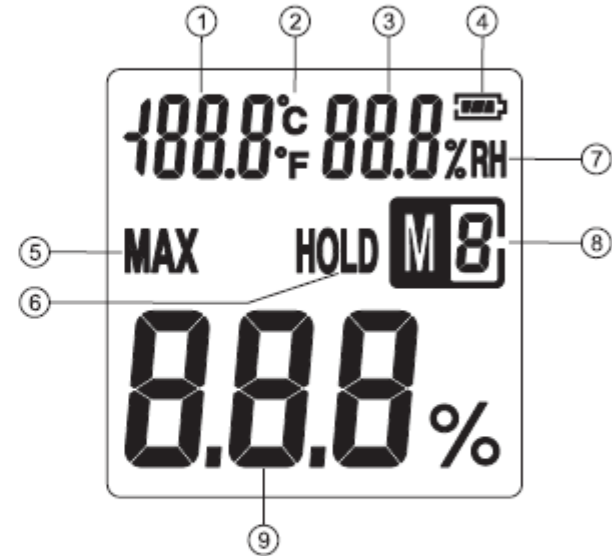
	GM610	GM620
Weight	107.7g	115.8g(Meter only) , 133.3g (Meter with fork)
Excluding battery		
Size	135.6*55*29.4mm	144*55*29.4mm (Meter only) , 278*36*36mm (Meter with fork)
Fork	9.8mm	147mm

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### Table for various trees

Spc	Level	Spc	Level
Rhodes west teak	1	African whitewood	3
Ormosia hosiei	1	Rose wood	3
Brazil walnut tree	1	Elm tree	3
Walnut tree	2	Gmelina chinensis benth	3
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	Larch	4
European silver	3	Apitong	4
Maple	3	Birch	4
White ash	3	Basswood	4

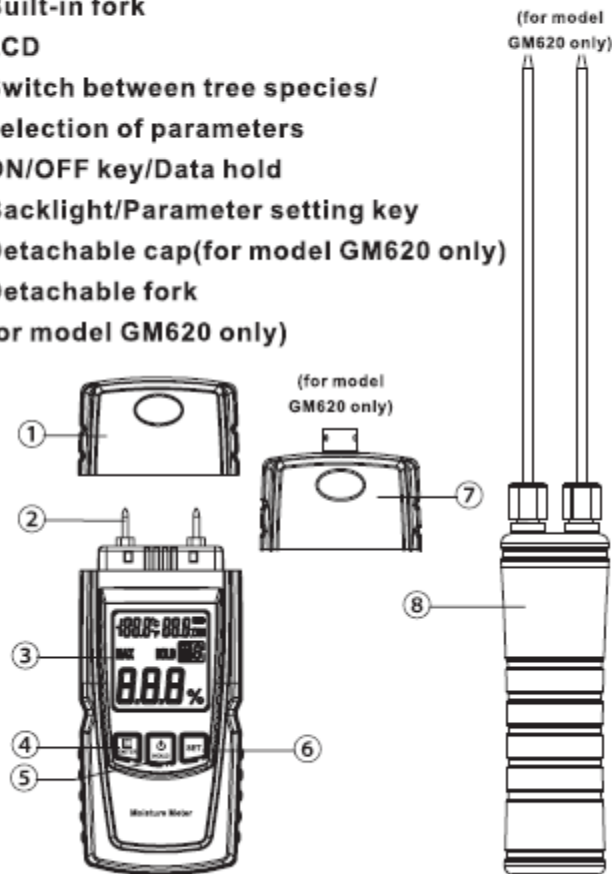
### Display



- |                        |                               |
|------------------------|-------------------------------|
| 1. Temperature reading | 6. Data hold                  |
| 2. Temperature unit    | 7. Humidity unit              |
| 3. Humidity reading    | 8. Selection of woods species |
| 4. Battery volume      | 9. Moisture in woods          |
| 5. Maximum value       |                               |

## Panel

1. Built-in cap
2. Built-in fork
3. LCD
4. Switch between tree species/  
Selection of parameters
5. ON/OFF key/Data hold
6. Backlight/Parameter setting key
7. Detachable cap (for model GM620 only)
8. Detachable fork  
(for model GM620 only)



## 2. How to operate

### Operation

1. Install the battery and press the "HOLD" key to turn on.
2. Then press "ENTER" key to select the tree species from the given 4 levels accordingly as referred to in the table of page 4. If the wood is not these listed in the table, it is recommended to use level2 as reference. But the error arising from the performance shall be considered. The 2 feet of the fork should be inserted into the woods at one time.
3. Press "HOLD" key to hold the moisture reading with an HOLD icon on LCD. Press the "HOLD" key again to release the hold function.
4. Press on the "HOLD" key for 2 seconds to turn the device off.
5. Press the "SET" key to turn on the backlight. Press the "SET" key for 2 seconds to enter into parameter setting mode and the MAX icon flashes and "ENTER" again to set the next parameter which appears in order of MAX-current moisture reading-°C-°F. Press the "SET" key to confirm the selected.
  - (1) When the MAX flashes press the "SET" key to display the Maximum readings of moisture saved.
  - (2) When the current moisture reading flashes, press "SET" key to display the current moisture reading.
  - (3) When °C flashes, press "SET" key to select Centigrade unit.
  - (4) When °F flashes, press "SET" key to select Fahrenheit unit.
6. The device turns off automatically within 2 minutes if there is no further key operation or moisture measuring.