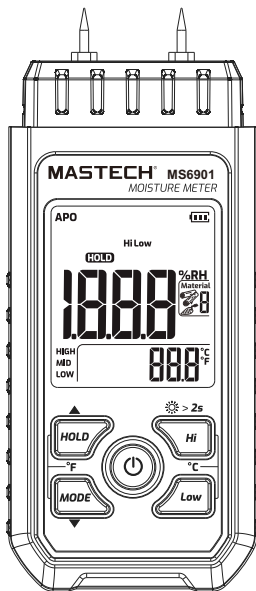


MASTECH®

MS6901

Moisture Tester User Manual



Thank you very much for your patronage and choosing our products. Before you use this product please read this manual carefully as it will familiarize you with the correct operating procedure of our MASTECH product.

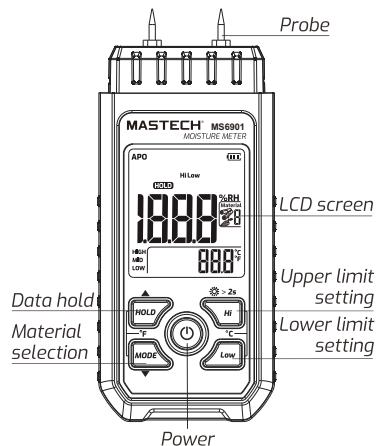
△ Notice: Before using this instrument, please read this manual carefully.

Please put on the protective cover when the meter is not in use, be careful of personal injury caused by the probe.

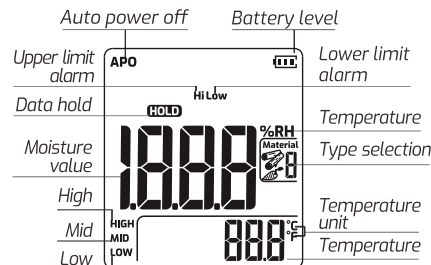
Product Features

- Applicable for moisture measurement in many types of materials;
- Auto power off and cancel auto power off function;
- Hi, Low alarm limit setting function ;
- With backlight and color backlight alarm function;
- With temperature and humidity measurement function ;
- Low battery indication function;
- Replaceable probe.

Panel Instruction



Display



Specifications

Measuring range	0 ~ 54.8%RH	
Resolution	0.1%RH	
Moisture display	4 digits, max 1999	
Test probe	M3 metric tooth test pin; external hexagon 5mm	
Accuracy	±1%	
Overload	"HI" or "LO"	
Ambient temp.	Range	0 ~ 60 °C
	Accuracy	±2 °C
Sampling rate	2 times/s	
Auto power off	10mins (can be canceled manually)	
Working environment	-10~50°C, max 80%RH, indoor altitude<2000m	
Storage environment	-10~50°C, max 70%RH (battery removed)	
Product size	152 x 55 x 33mm	
Screen size	37 x 41mm	
Weight	Approx. 115g (battery not included)	
Power	3 x 1.5V AAA (R03/LR03)	

Settable materials	Measuring range
beech, spruce, larch, birch, cherry, walnut	10.5...54.8% by weight
oak, fir, pine, maple, ash tree, douglas fir, meranti	7.3...47.9% by weight
cement screed, concrete, gypsum	0.9...22.1% by weight
anhydrite screed	0.0...11.0% by weight
cement mortar	0.7...8.6% by weight
lime mortar, gypsum bricks	0.6...8.6% by weight
	0.1...16.5% by weight

Typical values for equilibrium moisture
(air dryness of building materials)

Material	Char. curve	Material moisture
Anhydrite mortar layer	4	< 0.5% by weight
Concrete	3	< 2.2% by weight
Plaster	6	< 0.8% by weight
Lime mortar	6	< 20.0% by weight
Non-porous fired brick	7	< 1.0% by weight
Cement mortar layer	3	< 30.0% by weight
Cement mortar	5	< 3.0% by weight

Environmental conditions: 20°C, 65%RH
Guideline value for wood installation moisture,
set as an average value over a period of time
(DIN 1052-1(4/88)Para.4.2.1).

Char. curve	Application area	Wood humidity in % by weight
1 or 2	building closed on all sides with heating	9±3
1 or 2	building closed on all sides without heating	12±3
1 or 2	Roofed open buildings	15±3
1 or 2	Constructions which are open to the weather on all sides	18±6

Button Function Description

ⓘ : Power button, long press to turn-on and lightly to turn-off;

▲ : Under the Hi/Low menu, uses for adding data, long-press to increase;

▼ : Under the Hi/Low menu, uses for deducting data, long press to decrease;

HOLD: Data hold, tap to turn on and turn off the data hold function;

Hi indicates over upper limit alarm setting; short press once to enter, adjust the alarm value by pressing the▲/▼key, and press again to exit the setting.

Low indicates over lower alarm value setting; short press once to enter, adjust the alarm value by pressing the▲/▼key, and press again to exit the setting.

long press☀> 2s to turn on the backlight, long press again for 2s to turn off the backlight, the backlight has no automatic shutdown function, and it will automatically turn off after automatic shutdown;

HOLD+MODE long press together to switch the temperature unit into Fahrenheit;

Hi+Low long press together to switch the temperature unit into Celsius.

Note: The recorded data will be saved to avoid lost after power-off or replace the battery.

Measurement Method

- Press ⓘ to turn on the meter;
- Refer to the function description of each button, press the function button to enter each measurement function;
- Check the measured value on the LCD display;
- Measuring done, press the power button to turn it off.

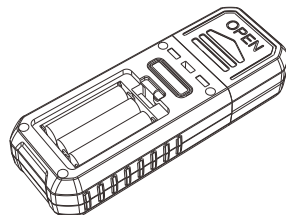
Auto Power Off and Cancel Auto Power Off

- The auto power off function switches on by default, the screen shows the APO symbol when turning on the meter. Only if you stop using it for 10 minutes will it trigger the automatic power off mode;
- If you need to cancel the automatic shutdown function, press HOLD and POWER button to turn on the meter, the APO symbol will not appear and the automatic power off function is canceled. The auto power of function can be restored as long as restart the meter;
- When the meter turns on the auto shutdown function, the display screen shows the APO symbol, APO symbol will disappear once canceled the auto shutdown function.

Battery Replacement

- When low battery appeared, the battery level shows empty, indicating that the battery needs to be replaced;
- Replace the 3pcs AAA batteries by removing the battery compartment cover, please pay attention to the battery polarity when placing the battery into the compartment;
- Ensure that the compartment cover is securely fastened when finished.

Remark: when the battery is lower than about 3.7V, the battery low voltage prompt.



Maintenance

- Do not measure for a long time under high temperature and high humidity environment;
- Regular calibrated is needed to maintain the accuracy of the device;
- Please remove the battery if not used for a long time;
- If your device does not work properly, and the repair requirements was confirmed by the manufacturer or dealer. The user should provide a text failure description and packing list, and the packaging should be well cushioned and protected.

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