

WÖHLER

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TestEquipmentDepot.com



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1 General Information

1.1 Operation Manual Information

This operation manual allows you to work safely with the Wöhler HF 300 Moisture Meter. Please keep this manual for your information.

The Wöhler HF 300 Moisture Meter should be employed by professionals for its intended use only.

Liability is void for any damages caused by not following this manual.

1.2 Notes



WARNING!

Not following this warning can cause injury or death.



ATTENTION!

Not following this note can cause permanent damage to the device.



NOTE!

Useful information

1.3 Intended Use

The meter measures the relative humidity of wood.

Do not use the meter for any other use than set out in this manual.

1.4 Scope of supply

Device	Scope of supply
Wöhler HF 300	Moisture Meter with protective cap
	Protective bag
	9 V battery
	Replacement pins

1.5 Information on disposal

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Electronic equipment does not belong into domestic waste, but must be disposed in accordance with the applicable statutory provisions.

You may hand in any defective batteries taken out of the unit to our company as well as to recycling places of public disposal systems or to selling points of new batteries or storage batteries.



1.6 Address

Wöhler Messgeräte Kehrgeräte GmbH

Schützenstr. 41

33181 Bad Wünnenberg

Tel.: +49 2953 73-100

Fax: +49 2953 73-250

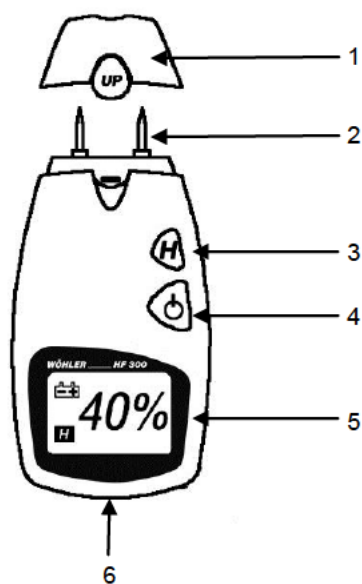
E-Mail: mgkg@woehler.com

2 Technical Data

Description	Data
Range	5% to 40 % of wood moisture
Resolution	1% of wood moisture
Precision in consideration of VDI 4206 page 4	± 40% of the reference wood value
Power	9 V battery
Ambient temperature	+5 °C to 40 °C
Rel. Ambient Humidity	0 to 70 % rH
Needle length	12 mm
Dimensions	129 x 63 x 32 mm
Weight	116 g (including battery)

3 Design and function

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Explanation

- 1 Protective cap
- 2 Pins
- 3 HOLD-key
- 4 ON/OFF-key
- 5 LCD Screen
- 6 Battery compartment

4 Safety information

- 4.1 Avoid possible damage to property or injury to people



WARNING!

Danger of injury because of sharp pins

Take care when handling with the pins!

Always put the protective cap on the pins before storing.

- 4.2 Avoid possible damage to the meter



ATTENTION!

Attention must be paid to prevent moisture and dust during application. Always keep it dry and clean to ensure the measurement accuracy.

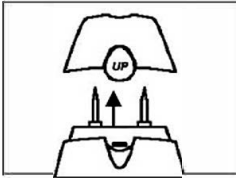


ATTENTION!

The place where the meter is kept must be clean, the ambient temperature 0 - 40 °C.

5 Measuring Method

5.1 Open



- Pull off the protective cap with two fingers.

5.2 Switching on



- Press the ON/OFF-key to switch on the meter.

5.3 Measuring Method

- Insert the pins of the Wöhler HF 300 into the wood approx. 5 mm.
The meter will display the relative humidity of the wood on the LCD.

5.4 Hold the current value



- Press the HOLD-key to hold the current value.
A H-Icon on the LCD shows that a frozen value is shown instead of the current value.
- Press the HOLD-key again to bring up the measuring menu again.

5.5 Evaluate the measurement result

- The user can estimate the combustibility of the measured wood based on the measurement result according to the three traffic-light colors under the LCD.
- green: standard flammable
yellow: hardly flammable
red: combustion not recommended, because too humid

5.6 Finishing the measurement

- Press the ON/OFF-key to switch on the meter.
- Put the protective cap on the meter.

6 Changing the batteries



When battery voltage gets low, a low battery indicator will appear on the LCD.

In this case change the batteries as follows:

- Open the battery compartment on the back of the unit.
- Replace the battery by a new 9V battery

! ATTENTION!

Remove the battery from the meter when not using it for a certain time.

7 Replacing the pins

Broken or damaged pins can be exchanged by the pin-kit.

- Loosen the damaged pins with an appropriate tool (gripper, screw wrench or ring wrench).
- Replace the damaged needles by the needle-kit and fix the new needles with the tool.

