

Manufacturer:
scheppach
Fabrikation von Holzbearbeitungsmaschinen GmbH
Günzburger Straße 69
D-89335 Ichenhausen

Dear customer,
We wish you a lot of enjoyment and success when working with your new scheppach-device.

Note:
According to the Product Liability Act the manufacturer will not be held liable for damages occurring on the device and damages occurring by the device, when they occur on:

- Improper handling,
- Non-observance of the operating manual
- Repairs by third parties, non-authorized personnel,
- Installation and replacement of non-original spare parts,
- Non-intended use,
- outages of the electric system, when not observing the electric regulations and VDE-term 0100, DIN 57113 / VDE 0113.

We recommend:

That you read the whole operating manual thoroughly before mounting and initial operation. This operating manual helps you to get to know your device and its intended applications.

The operating manual contains important notes on how to work safely, professionally and efficiently and how to avoid dangers, save on repair costs, reduce times of outage, and how to increase the reliability and durability of the device.

- General Hints**
- After unpacking of all parts, check them for possible transport damage. For any claims the deliverer is to inform immediately. Later claims will not be accepted.
 - Check the delivery for completeness.
 - Use the operating manual to get acquainted with the appliance before using it.
 - Only use original parts when it comes to accessories as well as to worn parts or spare parts. Spare parts are available at your scheppach speciality retailer.
 - On orders, please indicate our item numbers as well as the type and the year of manufacture of the device

Intended use
This is a modern device for measuring the moisture of wood with a thickness of 20mm. It is equipped with an LCD with backlight, has a low current consumption and can be read off directly. In the protective sheath the adjustment device can be found, which is used to determine whether or not the device is in good condition. It has seven measuring ranges. Only one type of wood can be measured in a certain measuring range. The device is compact, and easy to carry and use.



wm 42	
Technical data	
Measuring range	5 – 42 %
Resolution	1 %
Accuracy	± 2 % for results < 28 % ± 5 % for results > 28 %
Range number	7 ranges for different types of wood
Display	LCD
Backlight	Turns off automatically after 5 seconds.
Automatic turn off	approx. 30 seconds of non-use
Operating conditions	0 – 40 °C, <80 % relative humidity
Storage conditions	-20 – 50 °C, <85 % relative humidity
Battery	9 V, 6F22 or equivalent, 1 item
Low battery level indicator	Battery symbol on display
Size	160 x 63 x 30 mm
Weight	approx. 135gr (incl. Battery)



1. Selection of the desired range

Press and hold the button for about 5 seconds. The device now shows the range selection mode; the set range flashes in the display. Press the button in order to see the desired range in the display. Release the button if the desired range flashes in the display. The device leaves the range selection mode about 5 seconds later.

ATTENTION: After replacing the battery the device sets itself to range 5.

2. Preparation

Set the measuring device to range 5 at first and then remove the protective sheath. Touch the two metal contacts on the protective sheath (Fig. 2) with the two feeler pins and press the button. The display shows a value which is named "adjustment value" below. If the adjustment value is $18\% \pm 1\%$, the measuring device is in normal condition. If not, calculate the difference between the adjustment value and 18% and subtract this difference from the measuring results (see formula). Alternatively you can adjust the potentiometer in the measuring device which can only be done by a technician.

Note:

Do not use the formula if the adjustment value is $18\% \pm 1\%$. The shown value then matches the measured value.

The formula is:
 $\text{Humidity} = \text{Reading} - (\text{adjustment value} - 18\%).$

3. Measuring of the moisture

- Look up the correction value for the type of wood in the table and determine which range matches the type of wood. Then adjust the measuring device to this range.
- Insert both feeler pins into the wood to be measured. The feeler pins should enter the wood at least 4 to 5 mm in order to obtain a precise measuring value. Read off the value from the display.

Note:

If the adjustment value is over 19% or under 17% use the formula for the value to be measured. If the measured value is below 5%, the display shows "00 %". If the value exceeds 42% the display shows "OL".

ATTENTION!

- In the correction table you can look up the desired measuring range for the type of wood.
- For the type of wood not mentioned in the table, we recommend a measuring range of 5 to measure the moisture. Consider the measuring error in this result.

- In low light conditions press the button to turn on the backlight.
- After finishing the measuring refit the protective sheath. The measuring device turns off automatically to save energy.
- If the battery symbol appears in the display, replace the battery immediately. To replace the battery open the lid, remove the old one, insert a new battery and refit the lid of the battery compartment.
- The shown value of moisture is an average of both measurements. In order to obtain a more accurate value you can repeat the measuring process at different points of the wood.
- The feeler pins are sharp-edged. Keep the device away from children.

Type of wood – correction table			
Type of wood	Range	Type of wood	Range
Walnut	3	Masson pine	7
Oak	5	Silver fir	7
Balsa	5	White cottonwood	3
Maple	5	Ash	5
White ash	5	Larch	5
Spruce - pine	5	Hemlock	5
Iron wood	5	Beech	5
Teak	6	Fir	7
Basswood	7		

Declaration of conformity
We, scheppach Fabrikation von Holzbearbeitungsmaschinen GmbH, Günzburger Str. 69, D-89335 Ichenhausen, herewith declare that the subsequently mentioned device fully complies in its kind of construction, assembly and version, put in circulation by us, with the corresponding regulation of the following EU-Directives.
Any modification of the appliance invalidates this declaration.

Description of the device:
Wood moisture meter

Kind of device:
wm 42

Item number:
8800 1954

Corresponding EU machine directives
EG-EMV Directive 89/336/EG

Applicable harmonised European standards:
EN 61326:1997+A3:2003

Place, date:
Ichenhausen, 12.12.2007

W. Windrich

Signature:
p.p. Wolfgang Windrich

Great Britain

Do not dispose of electrical tools in the household waste.
According to European directive 2002/96/EG on waste electric and electronic equipment and its ratification waste equipment has to be collected separately and recycled in an environmentally friendly way.

Guarantee

Apparent defects are to be reported within 8 days after receipt of the goods otherwise the customer loses all claims concerning such defects. For the duration of the statutory period of warranty we assume liability for our properly handled devices from the moment of handover in such a way that we replace every part of the device that has become useless verifiably by material or manufacturing faults within the period of warranty. As far as we have warranty claims against our supplier, we also assume liability for parts we do not produce. The customer bears the costs of such assembly of new parts. Claims for annulment and price reduction and any other claims for damages are excluded.