



Crushing grain moisture meter



WILE 78 CRUSHING GRAIN MOISTURE METER

Thank you for choosing a Wile meter!

Wile 78 is an extremely quick and accurate crushing meter featuring scales for more than 20 different grain and seed varieties. Thanks to its compact size, compact meter that is easy to take to any location. The meters sample size is small. It's also a convenient tool for measuring samples before the start of the harvesting season.

Read the operating manual carefully before using the grain moisture meter.

1. The set includes



1. Wile 78 grain moisture meter
2. Measuring scoop (9 ml), inside the cap
4. Carrying case
3. Cleaning brushes (2 pcs.)
5. Battery
6. Operating manual

2. Properties

- Automatic calculation of average moisture content
- Possibility to adjust the measurement results separately for each grain variety
- Battery voltage display
- Automatic temperature compensation
- Coated, highly durable grinding teeth
- Display contrast adjustment
- Easy-to-read LCD

3. Operating manual

Buttons



- Start, shutdown (hold the button down)
- To Main Menu
- Go back in the menu

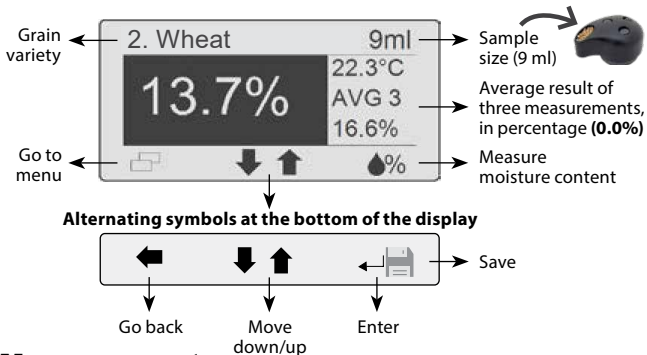


- Move forward in the menu with the arrows
- Change menu values using the arrows



- Confirm selection
- Save
- Start measurement

Display symbols



Measurement

- Insert a new battery into the grain moisture meter. Ensure that the battery is inserted in the correct direction (according to the markings (+/-) on the bottom of the meter).
- Press **POWER ON** . Select the desired grain from the menu with **↑↓** and press **OK**. After selecting the correct grain variety, the required sample size (9 ml / 18 ml) will be displayed in the upper right corner of the display.
- Pour the grain into the grinder using the measuring scoop (9 ml) in the cap. Shake it until it's smooth.
9 ml = 1 scoop
18 ml = 2 scoops
- Grind the grain by turning the cap until it stops at the stopper.
- Start measurement by pressing **OK** .
- After each measurement, clean the grinder thoroughly with the brushes provided in the set. **AFTER CLEANING**, the meter is ready for a new measurement.

The meter will turn off automatically (or by holding the button down).

The grain sample used for the measurement must be disposed responsibly.

Tip!

If you are measuring kernels that are very oily or moist, cleaning the grinder after measurement is easier if you grind, e.g., dry wheat or barley.

Sampling

- Always take several samples. Use their average result as the result!
- If the sample is very dry, it is advisable to discard the first measurement result. This will ensure that the grinder is as dry and clean as possible.
- Remove any impurities and green kernels (and abnormal kernels) from the sample.

Sample taken directly from the dryer:




- Before measurement, let the temperature stabilise for a while.
- The moisture content of the grain batch varies in different parts of the dryer, almost up to the end of the drying process. Therefore, take samples from several different locations!

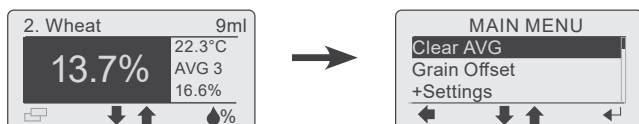
Always compare the reading of your moisture meter with the moisture reading of the preliminary sample and the receiving meter (and never with the reading of another quick meter). If there is a difference, the scale of the meter can be adjusted to show the same reading. See chapter

4. Menus, item **Grain Offset (adjusting the measurement result)**.

4. Menus



Main Menu

This is how you get to the **Main Menu**: Start the meter by pressing . When the symbol  appears on the display, press  again to open the **Main Menu** view.



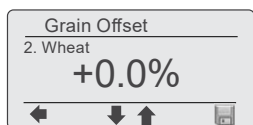
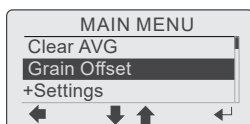
Grain Offset (adjusting the measurement result)

The result given by the meter can be adjusted based on known information from a sample.

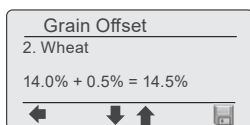
The correction is made by pressing the   buttons simultaneously (or selecting **Grain Offset** from the **Main Menu**).

Thereafter, adjust the correction with the   and press .

The offset view presented (i.e., the adjustment screen) depends on whether a measurement result is visible on the display.

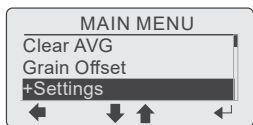


OR



Settings menu

In the **Main Menu** view, go to **↑↓+Settings** and press **OK**.

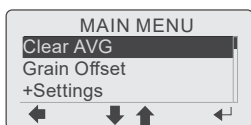
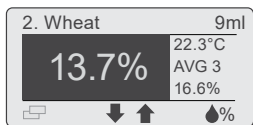


The menu items are:

- Language
- Temperature (units)
- Auto off
- Backlight
- Contrast
- Battery
- Info

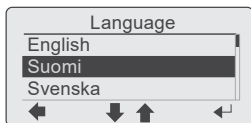
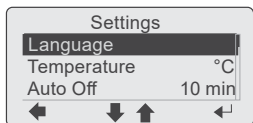
Calculating the average value

The meter automatically calculates the average result of the previous measurements and displays it in the lower right corner of the display. The number of measurements included in the calculation is shown above the average value. The average value can be reset by pressing the **⏻** button and selecting **Clear AVG**.



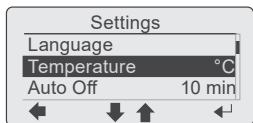
Language selection

The language used in the grain moisture meter can be changed by selecting **Language** in the **Settings** menu.

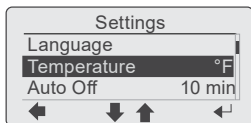


Temperature unit selection

The temperature unit can be changed by selecting **Temperature** (°C / °F) in the **Settings** menu.



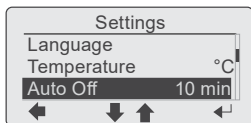
OR



Auto power OFF delay

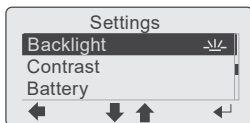
The meter will automatically switch off after a set time. The power OFF delay (**Auto off**) can be set between 10 seconds and 10 minutes.

The delay can be changed by pressing **OK**. It's also possible to turn the power off by holding down the red power button **⏻** (or selecting **Shutdown** in the **Main Menu**).



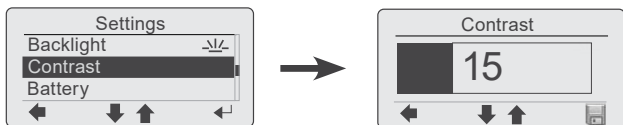
Backlight

The backlighting of the display can be switched ON or OFF under **Backlight** in the **Settings** menu.




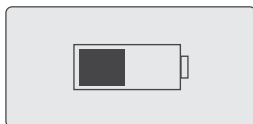
Display contrast

The contrast of the display can be adjusted under the **Contrast** section.

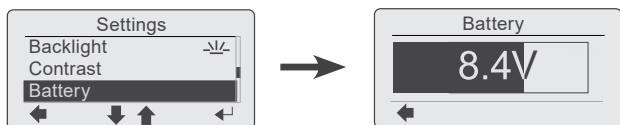


Battery replacement reminder

The meter will give an alert if the battery voltage drops too low (<6.5V). The battery should be replaced when the following icon  appears on the display.



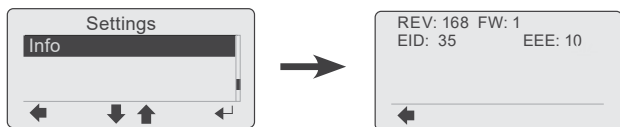
The battery voltage can be checked by selecting **Battery** in the **Settings** menu. We recommend replacing the battery with a new one at the beginning of each season.



If the grain moisture meter will not be used for an extended period, remove the battery from the device.

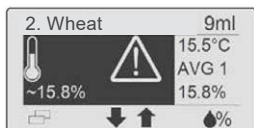
Info

The **Info** menu displays the software and scale versions used in the meter. This information is useful for maintenance and customer service.



Incorrect conditions alert

If the temperature difference between the meter and the grain is very large, **a thermometer symbol** will appear on the display as an alert.



When the temperature of the meter is very low, **a snowflake symbol** will appear on the display as an alert.



5. Technical data

Battery	9V alkaline battery (6LR61)
Accuracy/repeatability	+/- 0.5% moisture percentage (after adjusting the measurement result, when the humidity is below 18%)
Adjusting the measurement result (Grain Offset)	+/- 10 percentage points for each grain variety
Temperature range	Measuring temperature 5–50°C (41–122 °F)
Measuring principle	Crushing, resistive
Weight (with the battery)	915 g

6. Maintenance of the meter

Store the meter in a dry place and do not let it get wet. After completing the measurements, remove the sample from the grinder and clean the grinder carefully. We also recommend checking the meter on a regular basis in an authorised service centre.

7. Warranty

The meter has a two-year warranty against material and manufacturing defects. The warranty is valid for 24 months from the date of purchase. The customer has to deliver the defective product to the manufacturer or the seller. **A description of the defect, contact information, and a copy of the purchase receipt showing the date of purchase have to be provided with it.** The manufacturer will repair the defective product or replace it with a new product as soon as possible.

The manufacturer's maximum liability is limited to the purchase price of the product. The manufacturer is not responsible for damages resulting from careless handling, misuse, or repairs made by a third party

The warranty does not cover any consequential damages arising directly or indirectly from the use of the product or the fact that it could not be used.

8. Disposal

According to the EU WEEE Directive 2012/19/EU, this product must not be disposed of with household waste. It must be sent for separate collection of electronic and electrical waste in accordance with local regulations. Remove the battery first. Empty batteries should be disposed of in accordance with local regulations.



9. EU Declaration of Conformity

According to ISO/IEC 17050-1 Farmcomp Oy (Jusslansuora 8 04360 TUUSULA, FINLAND) under its sole responsibility hereby declares, that its product Wile 78 conforms to the EMC directive 2014/30/EU by following the harmonised standard EN IEC 61326-1:2021 and to the RoHS directive 2011/65/EU as amended by directive (EU) 2015/863 by following the harmonised standard EN IEC 63000:2018. Signed Declaration of Conformity documents are filed at Farmcomp Oy, Tuusula. Farmcomp Oy, Jusslansuora 8, FIN-04360 Tuusula, Finland. tel. +358 9 77 44 970, e-mail: info@farmcomp.fi. Company ID FI 3274992-1 Tuusula, Finland.





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