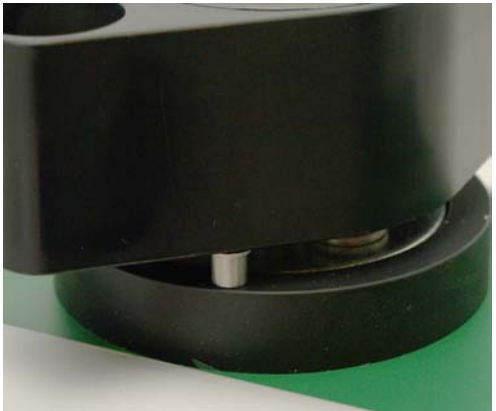


# Unimeter Digital

Moisture meter for grain







# EN Operation instructions for Unimeter Digital

Thank you for choosing Unimeter Digital grain moisturemeter!  
Read the whole manual before you use the meter!

## 1. Box content

- Unimeter Digital grain moisturemeter
- Carrying case
- Cleaning brush
- Operation instructions
- 9 V battery (installed)

## 2. Preparation



**Insert the battery – Be careful to make sure its in the correct way !  
Do not leave the battery in the meter outside of the season.**

Use the < > buttons to navigate through the options

Use the < > button to find the battery power indicator

**The different changeable options are;**

Contrast	= Display Contrast
Language	= Change the Language
The List of Grains/Seeds	= See the chart later in the instructions

**To change;**

- Choose option using < >
- Press **Test**
- Change using < >

- To save change press **Test**

### Just for information;

Version = Software Version

Temperature = Sensor temperature in the meter

Battery Voltage = It must be above 7,2Volts otherwise it will shut down.



**Before testing any grains or seeds the Unimeter should be checked with your local grain dealer. We at Unimeter take every care to ensure your meter has the latest and most popular grain varieties included, BUT local varieties and growing conditions can affect the measuring.**

### 3. Adjusting the measurement for a grain/seed

- |   |                               |
|---|-------------------------------|
| 1. Switch <b>On</b>   | 2. Choose grain/seed type     |
| 3. Press <b>&lt; &gt;</b> <b>At the same time !</b>           | 4. <b>Offset is displayed</b> |
| 5. Use <b>&lt; &gt;</b> to adjust either <b>+ OR -</b> values | 6. Press <b>Test to save</b>  |

### 4. Samples

- Always take several samples and use their average as the result
- Remove waste and green or abnormal grains.
- Direct from the dryer;
  - Give the grains time to cool a little before measuring.
  - Take samples from different places due to damp spots !

### 5. Measuring

1. Press **ON/OFF** - to start the meter
2. Choose grain/seed using **< >**
3. Display will show you which size to use in the cap - **9ml or 11ml**
4. Pour the grains into the milling area evenly
5. Put the milling cap on its place and twist it.
6. Twist it until the stop hits the the edge of the mill.
7. Press **Test**

If the display shows "-----" or "++++" the result is outside the measuring range.

"-----" The sample is very dry or measuring has been interrupted.

"++++" The sample is too wet or the sample was not big enough.

8. Moisture content is on the left side of the display and average on the right side.
9. Clean the mill and the cap, use the cleaning brush that came with the meter.



The measuring cell must be cleaned carefully so the next measurement will be as accurate as the first. Clean the mill with a dry or slightly damp cloth. Don't use any strong cleaning purifying agents and don't let the meter get wet. Store meter in a dry place. Meter turns off after while when not used.

## 6. Average calculation – On the bottom right of the grain/seed display

The meter automatically calculates the average of the measurements. Displays the average calculation of the last four (4) measurements. The meter memorizes the average even if you switch off meter.

**NOTE!** When you change grain sort all the average calculations will be deleted.

## 7. Specifications

Unimeter Digital -features:

- Easy to read LCD Display
- Calculation of average value of measurements
- Individual offset adjustment on each crop
- Display of Battery voltage

Measuring principal	Direct current voltage
Battery	9 V alkaline
Accuracy (after calibration)	+/- 0,5 % of grain moisture (dispersion) below 18 %
Calculation of average	Automatic Average on up to four measurements
Offset adjustment	± 10 % on each crop
Display Contrast	Adjustable in 100 steps
Temperatur range	0 – 50°C, 32-122° F
Grossweight	2 kg

Wheat	10.4 – 39.0%	Mustard	06.0 – 28.0%
Duruwheat	10.4 – 39.0%	Soybeans	06.4 – 35.0%
Barley	10.2 – 39.0%	White rice	10.6 – 35.0%
Vinterbarley	10.2 – 39.0%	Paddy rice	10.4 – 39.0%
Oats	10.4 – 37.0%	Millet	10.2 – 36.0%
Rye	11.0 – 39.0%	Spelt	10.4 – 39.0%
Buckwheat	10.2 – 38.0%	Caraway	05.6 – 33.4%
Triticale	10.4 – 37.0%	Red clover	09.4 – 33.0%
Corn	11.0 – 50.0%	White clover	07.0 – 40.0%
Sunflower	06.6 – 25.0%	RyeGrass	10.4 – 39.0%
Rapeseed	05.4 – 25.0%	MeadowGrass	10.4 – 39.0%
Turnip Rape	05.2 – 32.6%	Meadow Fescue	10.4 – 39.0%
Beans	10.2 – 29.0%	Red Fescue	11.6 – 35.0%
Broad Bean	10.0 – 31.0%	Timothy	10.4 – 39.0%
Peas	10.0 – 28.0%	Wheat flour	10.4 – 39.0%
Linseed	06.0 – 28.0%	Arbitrary scale	10.4 – 39.0%

**Note!** The measurement range limits are listed at 20 C.

## 8. Warranty

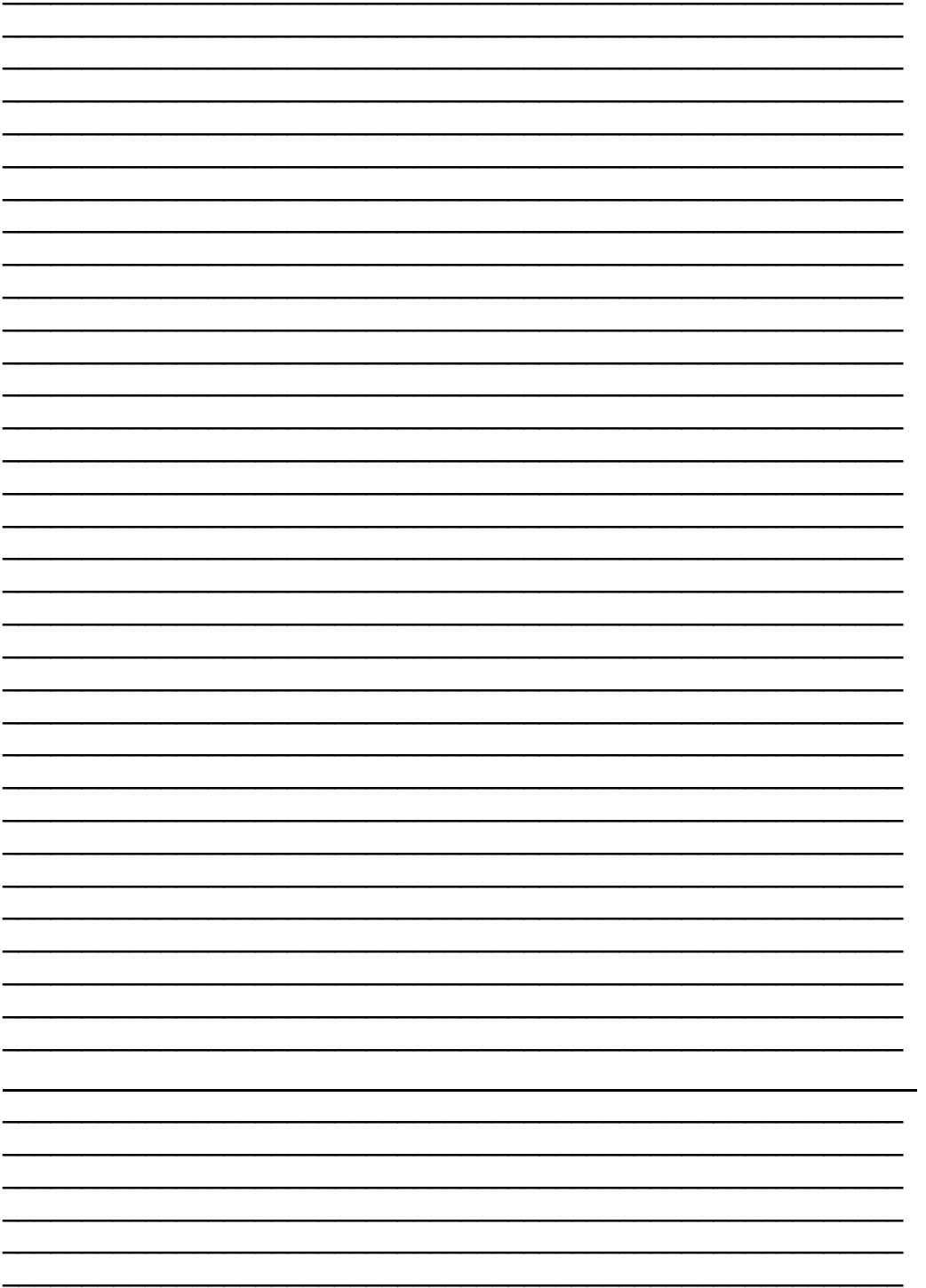
This product has a warranty valid for two (2) years from the date of purchase on the receipt which covers the materials and workmanship.

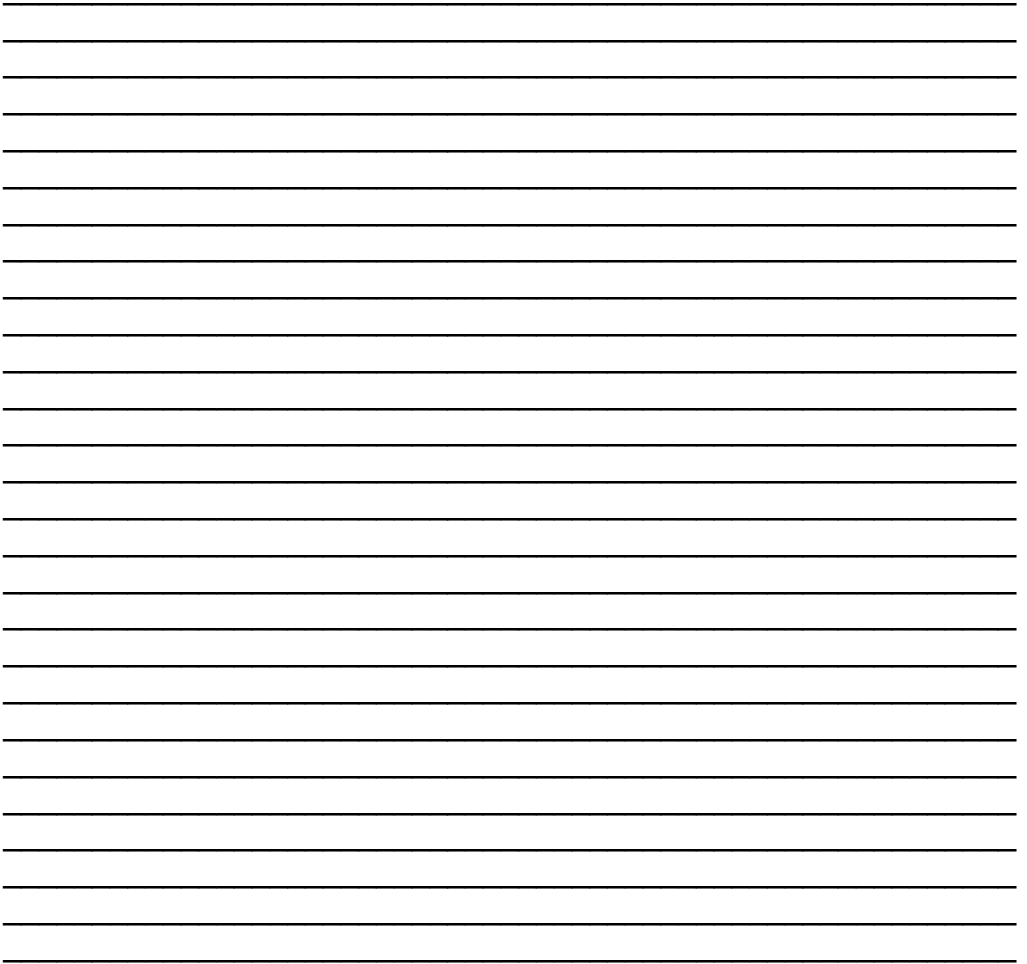
To claim the warranty, The customer should return the defect product to the manufacturer, reseller or the nearest Unimeter Service Partner at the customer's own expense. The warranty claim must be accompanied by the description of the fault, copy of the Sales receipt and customer's contact information. The manufacturer / Unimeter Service Partner will repair or replace the defect product and return it as soon as possible. The warranty does not cover any damages that are caused by incorrect or careless use of the product, installation that does not correspond to the provided instructions and other damages which may arise due to causes beyond the control of the manufacturer.

The liability of Farmcomp is limited to the price of the product in maximum. Farmcomp does not accept any responsibility for any direct, indirect or consequential damages that are caused by the use of the product or the fact that the product could not be used. Warranty does not cover the battery.









**Declaration of Conformity**  
**according to ISO/IEC Guide 22 and EN 45014**

**Manufacturer's name and address:** Farmcomp Oy  
Jusslansuora 0  
FIN-04360 TUUSULA, FINLAND

*declares, that the product*

**Product name:** Moisture tester  
**Model numbers:** Wile-25, -35, -55, -65

*conforms to the following Generic Standards:*

**EMC:** EN 55081-1  
EN 55082-1

**Supplementary Information:**



Tuusula, Finland  
January 14, 2011

Marko Mikkonen  
Operations Director

Original language: Finnish  
Signed Declaration of Conformity documents are filed at  
Farmcomp Oy, Tuusula

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