

# Operating Instructions

for **Hecto** grain tester



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## Scope of delivery:

All parts are fit in a lockable suitcase:

- Digital balance, capacity 2.200 g, readout 1 g. The instrument is powered by three 1.5 V type AA batteries. Optionally a mains adapter can be also used available as accessories.
- Plastic container with cover
- Chondrometer made of stainless steel
- Plunger weight
- Cut-off slide
- Operating instructions and calibration chart



## Determination:

1. Insert the cut-off slide into the designated opening (slot) of the Chondrometer until resistance can be felt.
2. Drop the plunger weight into the Chondrometer, ensuring that it is resting flat on the cut-off slide.
3. Place the Chondrometer with the cut-off slide and the plunger weight on the weighing platform. Press on the tare/on button, "0" is displayed. The balance is now tared and ready for weighing.
4. Remove the Chondrometer from the balance.
5. Pour the grain sample into the plastic container.
6. From a height of approx. 25 mm, slowly fill the Chondrometer to the top with the grain sample.
7. Remove the cut-off slide carefully, allowing that the plunger weight together with the grain to descent into the lower part of the Chondrometer.
8. Re-insert the cut-off slide through the slot of the Chondrometer and push it through the grain in one go; intervening grains are cut through.
9. Tip out the surplus grain.
10. Place the Chondrometer on the balance.
11. Read off the mass and take the value for the hectoliter weight [kg/hl] from the calibration chart, i.e. display regarding wheat 385 g = 77.8 kg/hl. In case of interim weights the values must be interpolated.
12. Hold the spring clip located at the base of the Chondrometer to empty the contents.
13. Remove the plunger weight.



## Notice:

Place the balance horizontally on a solid table with a smooth, clean surface.

The contents of the Chondrometer corresponds to the supplied calibration chart. We recommend to carry out a double determination.