

# Operating Instructions

## Hectolitre Measuring system Hecto

All parts are fit in a lockable suitcase.

### Equipment supplied:

- Digital balance, capacity 2.000g, readout 1g. The instrument is powered by three 1,5 V type AA batteries. A mains adapter of 9 V can be supplied on request.
- Plastic container with cover
- Plunger weight
- Chondrometer made of stainless steel
- cut off slide

### Determination:

1. Insert the cut off slide into the designated opening of the cylinder until resistance can be felt.
2. Drop the plunger weight into the cylinder, ensuring that it is resting flat on the cut-off slide.
3. From a height of approximately 25 mm, slowly fill the cylinder to the top with the grain sample.
4. Remove the slide carefully, allowing that the weight together with the grain to descent into the lower part of the Chondrometer.
5. Re-insert the slide through the column of grain to isolate the sample.
6. Calibration chart is enclosed to the operating instructions.
7. Tip out the surplus grain and withdraw the slide. Stand the chondrometer down.
8. Switch on the digital balance and place the empty sample container on the platform. The weight of the empty container will be displayed immediately in grammes. Press the „On/Tare“ button once more and a zero reading will be displayed. The scale is now tared.
9. Retain the weight by applying pressure to the spring clip located at the base of the chondrometer and tip the sample directly in the TARED empty container on the scale platform
10. Check the scale reading against the chart to find the KG/Hl of the sample, i.e. display regarding wheat 385 g = 77,8 kg/hl. In case of interim weights the values must be interpolated.

### Attention

Good values can be obtained if the weighing balance is placed on a horizontal and stable surface and protected against sunbeams. The contents of the chondrometer corresponds to the supplied calibration chart. We recommend to carry out a double determination.