Instruction

Grain Sampler

In order to achieve a precise volume, insert the scraper blade in again, cutting through the grain in this plane.

To eliminate leftover grain above the scraper blade, first remove the filling tube and then loosen the capacity measure from the base plate. After removing the leftover grain, withdraw the scraper blade.

Weighing Process
Place the capacity measure with the grain on the right of the beam.
Determine the filling weight by placing the weights on the left.
Determine the sample weight in hectolitres using the attached comparison tables.

Contact:
General Information

The Grain Sampler will be produced according to the PTB-A 11.1 (www.ptb.de/de/org/q/q3/q1/ptb-a/pa11-1.pdf)

Meaning:
Agricultural implement for determining of the weight of 1 hl of grain punches.

Which grain can be determine?
With the official tables for the bulk load density you can determine wheat, rye, barley and oat. Please ask us for the tables.

Features:
- Robust construction
- Exact data measurement
- Simple handling
- Official calibration possible
- Convenient and network-independent
- Neat and compact hardwood carry case
- 2 year warranty
- Ongoing customer support and product maintenance

Previous knowledge:
The case is used as a baseplate to set up the scale and also to transport it.

<table>
<thead>
<tr>
<th></th>
<th>1/4 Litre</th>
<th>1 Litre</th>
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</thead>
<tbody>
<tr>
<td>Case size</td>
<td>190 x 320 x 110 mm</td>
<td>440 x 300 x 200 mm</td>
</tr>
<tr>
<td>Weight of scale with case</td>
<td>4.6 kg</td>
<td>13 kg</td>
</tr>
<tr>
<td>Weight division</td>
<td>500 mg, 1 g, 2 x 2 g, 5 g, 10 g, 2 x 20 g, 3 x 50 g, 100 g incl. forceps, in a hardwoodbox.</td>
<td>500 mg, 1 g, 2 x 2 g, 5 g, 10 g, 2 x 20 g, 2 x 50 g, 100 g, 3 x 200g, 500 g incl. forceps, in a hardwoodbox.</td>
</tr>
</tbody>
</table>

Instruction

Attend before using
- The cereals to be checked must be at the same temperature as the test area and must be stored and dry covered.
- As a result, before checking the cereals, you should leave them for some time spread out in a thin layer in the test area.
- The air humidity must be no more than 75 %.
- Before each filling load, check that the empty reference standard, slot and advanced body is free of foreign bodies (e.g. dust, cereal residue, etc.)

Apparatus Assembly
- Remove the parts from the carrying case.
  Level the case horizontally on a stationary surface. The base plate attached to the lid must be facing up.
- Screw the support onto the foot.
  For Typ 222 (1 Litre): Place the beam on the support rest.
  For Typ 220 (1/4 Litre): Suspend the beam from the support hook.
- Place the counterweight with the hook on the left of the beam.
- Screw the capacity measure onto the base plate.
- From the front, insert the scraper blade completely into the slot of the capacity measure.
  Then place the advance body on the scraper blade.
- Hook the filling tube to the capacity measure, making sure that the edges do not touch the capacity measure.

Sample Preparation
- The bulk load density depends on the quantity to be used and the way the filling tube is filled with cereal.
- Therefore, the filling recipient must be filled up to the filling mark. The filling recipient must also be separated about 3 to 4 centimetres from the upper edge of the filling tube at all times and positioned such that the cereal flows evenly and does not touch the filling tube walls, i.e. falls directly in the middle.

1/4 Litre Assembly
1. Base plate
2. Capacity measure
3. Advance body
4. Scraper blade
5. Filling tube
6. Recipient for bulk products
7. Support
8. Beam
9. Counterweight

1 Litre Assembly

The product must be poured in approximately
- For 1 Litre samplers: 12 seconds
- For ¼ Litre samplers: 8 seconds

The recipient for dumping the bulk load must also be filled in approx this amount of time.

Remove the scraper blade from the capacity measure quickly, without causing vibration to the grain sampler. The advance body and grain will fall inside the capacity measure.

The drop rate is relatively slow due to the fact that the advance body must displace the air at the bottom.