

Protimeter Grainmini Mk.V Operating Instructions

Contents:

- Instrument
- Two Reader Rings (a number of optional rings are available for additional crops of whole berries)
- Compressor (for compressing the grain sample)
- Quick-Check test cap
- Flat black plastic disc for use when testing oilseed rape
- Hand Grinder and Handle (plus version only). The handle for the Grinder also fits the Compressor
- Calibration Chart
- Carrying pouch

1. CHECKING INSTRUMENT:

Before you start, use Quick-Check instrument is reading correctly electronically.

2. CHOOSING CALIBRATION:

Choose correct Reader Ring and place over boss and push home at Pointer end. Align arrows.

Rings can be adjusted for comparison with non-standard calibrations by turning Ring clockwise for – and anticlockwise for +. For crops for which Reader Ring is not to hand, take readings using the 0-100 scale and read from the calibration data chart.

3. CELL:

Place grain cup (aluminum tube) on electrode to form cell.

4. Switch the automatic temperature compensation "IN".

5. PREPARING SAMPLE:

5.1 **For Ground Sample:** Place grinder over sample cell. Locate on the three screw heads around the sample cell. Grind sample, cell should be at least 2/3 full. Remove grinder.

5.2 **For whole Sample:** Pour grain into sample cell. (Ensure you are using "whole" Ring, or convert to "whole" calibration using Calibration Chart).

6. COMPRESSING SAMPLE:

Unscrew compressor anti-clockwise sufficiently to enable you to place over sample cell. Locate on three screw heads around sample cell. Tighten compressor by turning clockwise until several clicks and slips are felt.

7. READING RESULT:

Press switch button on side. Battery light should show (See (9) below). Turn red Pointer knob until H₂O light shows. Pointer indicates moisture content reading.

8. Remove compressor (turning anti-clockwise). Discard sample, and brush electrode clean.

9. BATTERY REPLACEMENT:

When battery light does not show when instrument is switched on, replace 9v battery located in compartment on the side of instrument.

Never use compressed sample more than once. Always store the meter in a dry place.

Disclaimer:

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