

Protimeter Grainmaster Mk.IIIA Operating Instructions

Contents:

- Instrument
- Compressor (for compressing the grain sample)
- Grain Cup (aluminum tube)
- Quick-Check test cup
- Flat black plastic disc for use when testing oilseed rape
- Hand Grinder
- A handle for the Grinder (which also fits the Compressor)
- Calibration Chart
- Carrying pouch

1. CHECKING INSTRUMENT:

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

2. CHOOSING CALIBRATION:

Choose correct scale. For crops for which Reader Scale is not to hand, take reading on Wheat scale, and convert using Calibration Chart.

3. CELL:

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

4. PREPARING SAMPLE:

4.1 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.

4.2 For Whole Sample: Pour grain into sample cell. Convert to "whole" calibration using the Calibration Chart.

5. 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.

6. READING RESULT:

Please switch to H₂O. Battery light should show. Take reading. If Automatic Temperature Compensation is not required, press "ATC off" switch at same time as pressing H₂O switch, take reading and correct for temperature.

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

8. BATTERY REPLACEMENT:

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

9. TO MEASURE TEMPERATURE IN STORED GRAIN:

Plug probe into instrument. Press switch to °C.

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

Disclaimer:

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