

## **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 H<sub>2</sub>O 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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