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Product Name :

Digital Moisture Meter

Product Code :

SLE/AG/16



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Description :

The Digital Moisture Meter is a compact electronic tester for the water content of food grains, pulses, oil seeds and vegetable seeds. It works on the pressure principle, gives moisture values for around 15 commodities and keeps readings in its memory, so a class can log a series of samples during one practical.

Digital Moisture Meter specifications

Parameter	Detail
Measures	Moisture content of agricultural produce
Operating principle	Pressure
Commodities	Around 15
Suitable for	Food grains, pulses, oil seeds and vegetable seeds
Readout	Digital
Data storage	High data storage capacity
Design	Compact
Product code	SLE/AG/16
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Grain and seed practicals with the moisture meter

Drying curve. Read a freshly harvested sample, then dry it in a laboratory oven at a low setting. At fixed intervals, cool a sub-sample in a closed container and read it on the meter. Plotting moisture against drying time shows how quickly each crop gives up water.

Rapid test against a reference. Split one lot with a riffle sample divider so both portions match. Test one portion on the meter and the other on a moisture analyser, then discuss why the two values differ.

Moisture and germination. Record the moisture of each seed lot, count replicate lots on the Seed Counter and set them out in Petri dishes to germinate. Students then relate the moisture at storage to the germination count.

Store-room survey. Students draw samples from bags at the top, middle and bottom of a stack and log each reading in the meter. Comparing the stored values shows where damp grain collects and which bags need drying first.

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