

Kett

SCIENCE OF SENSING

PM-450 (version 4505) Grain Moisture Tester



Grain Moisture Tester PM-450

Fast, Reliable, Simple to operate, Competitively priced, Many measurement applications

The PM-450, version 4505 is a specialized instrument for Bangladesh use. It will measure a wide variety of applications including long paddy, corn, grains, peas, seeds, beans, etc.

Special Features

• Wide list of calibrations

Version 4505 is used for grains, seeds, and other small products.

• Automatic density and temperature correction

The capacitance principle is affected by both density and temperature. The PM-450 includes an integrated scale and thermistor to automatically compensate for variation in both, ensuring accurate moisture measurement each time.

• Pre-programmed calibration curves

Factory calibrations are provided so that the PM-450 is immediately usable.

• BIAS(offset) adjustment

For collecting the BIAS(offset) of the calibration curve compared to the official standard, operator who should be controlled by national responsible body can easily make adjustment by specialized manual.

• Automatic Power Off

If no measurement or operation is performed for 3 minutes with the power on, the power is automatically turned off to maximize battery life.

• Average facility

A sample average can be automatically calculated (simple arithmetic mean) for 2-9 tests.

• Weight(g) / Litter function

Stable load cell makes possible to measure the Weight(g)/Litter which is the most important factor to analyze quality of grain.

• Versatile operation

Lightweight, easy to hold, large buttons, audible and display icons (samples below) make the PM-450 an instrument anyone can use, in almost any environment.

		
Pouring sample	Discharging sample	Replace the batteries

Product List : version 4505

1	Green lentil	6-30%	12	Wheat	6-40%
2	Grass pea	6-30%	13	Red lentil	6-30%
3	Black gram	6-30%	14	Onion seed	4-20%
4	Chick pea	6-30%	15	Sesame black	1-14%
5	Long milled rice	9-20%	16	Mung beans	6-30%
6	Linseed (Flaxseed)	6-20%	17	Soybean	6-30%
7	Rapeseed (Canola)	6-30%	18	Small red bean (Adzuki)	6-30%
8	Mustard	4-20%	19	Sorghum	6-30%
9	Jute seed	6-20%	20	Millet	6-30%
10	Long paddy	9-35%	21	Peanuts	4-20%
11	Corn (Maize)	6-35%	22	Barley	6-40%

Specification : version 4505

Measuring principal	Capacitance (Dielectric) (50MHz)
Applications	Grains, Seeds, etc. (application dependent)
Measurement range	1-40% (sample dependent)
Sample volume	240mL
Operating temp. range	0-40°C
Functions	Weight scale, Automatic temperature correction by integrated thermistor, BIAS (offset) adjustment, Auto-power off, Auto-display for battery level icon, Average, Weight(g)/Litter
Display	Digital LCD
Power supply	Batteries(1.5V alkaline "AA" size x 4)
Power consumption	240mW
Dimensions & weight	125(W) x 205(D) x 215(H) mm, approx.1.3kg
Standard Accessories	Funnel, Manual hopper(sample cup), Brush, Batteries(1.5V alkaline AA size4), Operating manual.

Quick and Easy Operation



Press power ON



Select product number (application)



Press [MEA.] key



Pouring sample



The moisture content is displayed and also the weight(g)/litter too alternately.

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Management System Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, which conform to JIS Q 9001, ISO 9001.
 The Scope of the Registration.
 Design, development and production management of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers. Calibration and repair of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers.

Requests