

Kett

SCIENCE OF SENSING

PM-410

Grain and Coffee Moisture Tester



KETT ELECTRIC LABORATORY

PM-410 Grain and Coffee Moisture Tester

Fast! / Reliable! / Simple to operate! / Competitively priced!



Measuring Ranges & Accuracy (Model PM-410 Type-4021)
Please contact your supplier for other types.

Product Number	Products	Measuring Range	S.E.C (Range)
1	Wheat	6.0-40.0%	0.5% (6.0-20.0%)
2	Barley	6.0-40.0%	0.5% (6.0-20.0%)
3	Corn	6.0-40.0%	0.5% (6.0-20.0%)
4	Soybeans	6.0-30.0%	0.5% (6.0-20.0%)
5	Canola	6.0-30.0%	0.5% (6.0-20.0%)
6	Rye	6.0-30.0%	0.5% (6.0-20.0%)
7	Oats	6.0-30.0%	0.5% (6.0-20.0%)
8	Sorghum	6.0-30.0%	0.5% (6.0-20.0%)
9	Sunflower(Large,Medium)	6.0-30.0%	0.5% (6.0-20.0%)
10	Sunflower(Small)	6.0-20.0%	0.5% (6.0-20.0%)
11	Paddy(Long,Short)	8.0-35.0%	0.5% (8.0-20.0%)
12	Rice(Long)	9.0-20.0%	0.5% (9.0-20.0%)

S.E.C : Standard Error of Calibration

PM-410 Specifications

Measuring Principle	Capacitance (Dielectric constant)
Sample Volume	240 mL
Accuracy	± 0.5% (relative to reference method)
Operating Temperature	0 to 40 °C
Display	Digital LCD
Power Supply	1.5V (size AA) batteries x 4
Functions	Bias Adjustment, Average, Automatic Power Off, Automatic Temperature Compensation
Dimensions	210(H) x 130 (W) x 190 (D) mm
Weight	Net 1.0 kg / Shipment 3.0kg
Accessories supplied	Sample cup, Funnel, Batteries (AA x 4)

Quick & Easy Operation



☒ Press the "POWER" key to turn the unit on.



☒ Press the "SELECT" key until the name of the product to be tested appears on the display.



☒ Pour product from the sample cup slowly (5 to 6 secs.) into the unit. The "POUR" indicator disappears and the decimal point blinks for approx. 4 secs.



☒ Press the "MEASURE" key. Wait until the "POUR" indicator appears blinking.



☒ The moisture content is then displayed.

Special Features

Best for Canola

The larger sample volume of the PM-410 means it is less affected by "green" seeds in Canola, than many other small grain moisture testers on the market. Canola samples "straight off the harvester" before moisture content has stabilized, are measured more accurately.

Bias Adjustment Facility(Except Type 4058 / 4059 /4166)

The user can simply adjust the moisture content reading by up to plus or minus 9.9% for each grain type. The bias adjustment is retained for all subsequent tests (until re-adjusted) therefore the PM-410 can be biased to agree with other units, eg. at the Silo, Seed Buyer, etc.

Average Facility

Pressing the Average key after completing up to 9 consecutive tests, displays the average of the measured moisture content values.

Wide Measuring Range

The PM-410 is able to measure down to 6% and up to 30 or 40%, depending upon grain type.

Automatic Power Off

When inactive for approx. 3 minutes (or 20 seconds after performing bias adjustment), the PM-410 will automatically turn itself off, thus conserving battery life.

Automatic Temperature Compensation

The PM-410 automatically compensates for grain temperature over its operating range of 0 to 40 °C

Pre-Programmed

The PM-410 is pre-programmed to give direct moisture content readings for 12 popular commodities (see list in specifications).

Available from your local dealer, READY TO GO!

No Sample Preparation

No sample grinding or pre-weighting is required.

☒ We reserve the right to make modifications without prior notice.



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