

# AGRICULTURAL TESTERS

**Kett**

SCIENCE OF SENSING

Model PM400/600, Riceter, PQ100/500, and TX200



**Kett**

*Tomorrow's Testing, Today !*  
1-800-438-5388

## Agricultural Testers

### *Why Measure Moisture?*

The amount of moisture in a product can greatly affect perceived quality, and is also important when transactions are based on weight. Small errors in measurement can have very large repercussions. For these reasons, it is crucial to have accurate moisture content readings when performing inspections and examinations, to maintain and adjust quality, and to ensure equitable transactions.

Moisture testers were developed to get accurate measurements of these subtle, yet important values. As a pioneer in the field of moisture content testers, Kett has developed a large variety of models for different materials, applications, and purposes. Our products help customers maintain proper worldwide specifications and standards.



### *Why Measure Grain Moisture*

Agriculture is rapidly advancing to provide better, more stable crops. In this environment, measurements are becoming more important in maintaining quality, reducing labor, and ensuring consistency.

Measurements turn subjective judgments into objective facts. Sequentially measuring samples makes it possible to judge the direction of future trends. A wide variety of Kett products are available to provide strong support for modern agriculture.

### *Why Use Kett*

Over fifty years of innovative design in the agricultural measurement field has made Kett products leaders in their industries. Simple operation, quality construction, and ergonomic design, combined with a wide array of features, define Kett Agricultural Moisture Testers to be the best value for your investment. After all, it is not only your product quality at stake...the Kett line will be a vital asset of your company's reputation!

## PM400 - Portable Moisture Tester



### *Simple, Yet Accurate*

Designed to provide immediate, accurate readings of many grains, this unit does not require adjusting, weighing, or temperature correction. Fully electronic, with built-in microprocessors, the PM400 is the world's simplest, handheld multi-grain tester.

## PM600 - Enhanced Portable Tester



### *Flexibility*

With 94 pre-programmed calibrations, and the ability to store 99 calibrations in memory, PM600's are used in the laboratory as well as the field. Bias adjustment allows the unit to be calibrated to your lab standard, mill, or grain elevator, providing unsurpassed versatility in a handheld tester. An optional printer provides hard-copy reports.

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## RICETER - Single Grain Tester



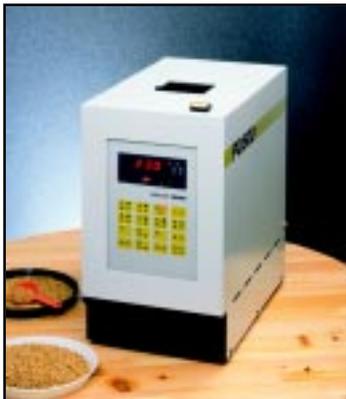
### *The Standard - The World's Largest Selling Pocket-sized Grain Tester*

The culmination of many years of field experience are apparent. Dual temperature compensation for both the grain and the instrument, self-checking capability to determine machine calibration, and statistical averaging provide unsurpassed measurement accuracy and reliability. The Riceter will display the content of up to nine consecutive samples as well as the average of the samples. Standard systems will test wheat, barley, oats and rice. Special models are available with other calibrations.

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## Other Grain Testers

### PQ100 and PQ500



#### *Single Grain Moisture Tester*

These desktop systems provide fast, accurate moisture measurement on a single kernel basis for polished, brown and paddy rice, barley, wheat, and naked barley with the PQ500, or corn and soybeans using the PQ100. Samples are poured into the hopper, test parameters selected and the system started. The bright LED will display moisture, number of kernels tested, and the current time. An attached printer will document batch results by detailing average moisture, variance, standard deviation, test temperature, a histogram of moisture percentages, and individual moisture values.

**Continuous systems for process dryers are also available.**

### TX200 Rice Quality Inspector



#### *Simple Handheld Unit Allows Quick, Accurate Sorting*

The TX200 allows the user to view a set of up to 50 brown or white rice grains by illuminating them from behind and magnifying the image. A blue reflective plate is placed behind the sample to improve the ease of discrimination. The user can clearly determine the shape and color of rice grains to grade the rice sample. The integrated magnifying glass and fresnel lens allow both eyes to view the image without strain. The small (162Wx134Dx80Hmm) size and hinged lens permit the viewing angle to be adjusted to easily identify grain discoloration and defects. The TX200 uses 4AA batteries or 100/220VAC.

**The RN500 is an automated version of the TX200**

## Grain Dryer/Custom Meters

Kett offers many moisture meters for specialized needs, including grain dryers and agricultural laboratories. If you require moisture to be measured in an agricultural setting, please contact us with your specifications.



### Summary

By now, you have decided which Kett Moisture tester you would like to purchase. Kett offers high quality, accurate instruments that will perform to your most stringent expectations. If you wish to place an order, or if you require additional guidance on model selection, please

CALL TOLL FREE (800) GET-KETT

### Tomorrow's Testing, Today!

Kett offers a complete line of innovative analysis equipment — for laboratory, field, and commercial applications. Moisture testing is our business. If your company requires fast, accurate measurements, please call Kett!

## Specifications

Model	PM400	PM600	Riceter
Measurement Range	6-40%	1-40%	6-30%
Sample Weight	20-180g	20-200g or 240ml	N/A - 1 tsp
Calibrations	12	48 pre-calibrated	12
Functions			
Moisture %	Y	Y	Y
Capacitance	N	N	Conductance
Weight (g)	Y	Y	N/A
Temp. Compensation	Y	Y	Y
Bias Adjustment	Y	Y	N
Display	LCD	LCD	LCD
Accuracy	+/- 0.5%	+/- 0.2-0.5%	+/- 0.1%
Power Source (Batteries)	4-AA	4-AA	4-AA
Weight (Net/Shipment)	2.2 / 5 lbs.	3 / 9 lbs.	1 / 3 lbs.
Dimensions (mm)	210Hx130Wx190D	210Hx130Wx185D	65Hx164Wx94D
Warranty	Kett Moisture Analyzers are covered by a three-year manufacturer's warranty on parts and labor. Post-warranty maintenance agreements are also available. Please call for information.		

Model	PQ100	PQ500
Measurement Range	9-40%	9-40%
Sample Size (Kernels)	11-599	10-1000
Measurement Principle	Resistance	Resistance
Calibrations	Corn Soybean	Wheat Barley Rice Paddy
Output		
Time/Date	Y	Y
Grain Name	Y	Y
# of Kernels	Y	Y
Var, SE, Avg, Histogram	Y	Y
Display	LED	LED
Accuracy	+/- 0.2%	+/- 0.2%
Printer	Y	Y
Power Source	120 VAC	120 or 220VAC
Weight (Net/Shipment)	40 / 54 lbs.	22 / 37 lbs.
Dimensions (mm)	380Hx240Wx330D	350Hx200Wx350D
Warranty	Kett Moisture Analyzers are covered by a three-year manufacturer's warranty on parts and labor. Post-warranty maintenance agreements are also available. Please call for information.	



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**Sales, Support, Service**