

Rice Freshness Meter and Evaluation Software

Model RN820

Kett

SCIENCE OF SENSING



Kett

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

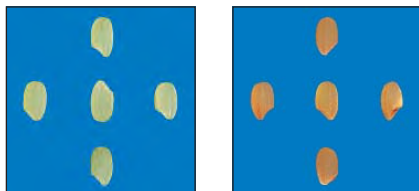
Rice Freshness Meter and Evaluation Software

Quickly quantify rice freshness and smell

This simple-to-use instrument provides a rapid, quantitative assessment of rice freshness as a substitute for "smell" testing. Jointly developed by the Japan Grain Inspection Association (JGIA), samples can be systematically tested and classified.

Simple Operation - Repeatable Results

To test a sample, place clean rice into a tray and color it with the special pH indicator. The sample is then scanned. The color difference between kernels can be quantified without having to trust the human eye.



Color of Rice - pH Indicator

The pH of each rice kernel is color-coded by the five-step rank rating criterion of the Japan Grain Inspection Association.

Each kernel is automatically graded by both its image and a numerical value. A histogram is used to show the quality distribution of the kernels. Freshness assessment is now able to be fully standardized between supplier and purchaser.



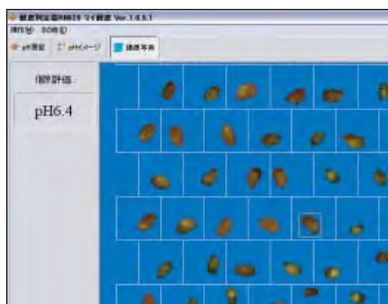
The pH of each grain is shown on the histogram and pie chart.

Sample pH is defined as maximum, minimum, average, and standard deviation.

Total grains are shown and the ratio of each rank is used to assess sample freshness.



Each kernel is color coded for the five-level ranking scale.



You can check the overall image and the pH of each grain by a numerical value.

Designed for Years of Stable Use

The RN820 is the latest design from Kett, the world-wide leader in rice quality measurement instrumentation.

Specifications

Model	RN820
Measurement Principle	Optical - AI
Measurements Range	Rice Freshness via pH
Product Calibrations	5 Rating Categories
Sample Volume	72 Kernels
Test Time	Less than 10 minutes
Display	Kernel, Histogram, Pie Chart
Ambient Temperature	0-35°C, 15-30°C optimal
Ambient Humidity	0-80% RH (non-condensing)
Features	Scanner, Petri dish (5), Sample tray (3), alignment plate, reagent (500mlx2), USB cable, tweezers, software
Communications	USB 2.0
Power	AC100-120V
Weight (kg) (Net/Shipment)	3.1/6
Dimensions (mm)	276(W)x116(H)x450(D)
Options	Pearlest, Laptop
Warranty	One Year Parts and Labor Maintenance Agreements available

Pearlest (Optional)



Using a small rice pearler (Pearlest), the bran can be quickly removed from brown rice. Because of consistent preparation, a more accurate freshness rating can be determined.

Tomorrow's Testing, Today!

In addition to our unique RN820, Kett manufactures almost 200 different instruments. Available for portable handheld, laboratory desktop or online process applications, if you have a measurement requirement, we offer solutions....today! If you need to measure organic constituents - - accurately, quickly, and simply, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!

1-800-GET-KETT



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