

# Single Grain & Rice Moisture Meter

Model PQ520

**Kett**

SCIENCE OF SENSING



**Kett**

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

# Single Kernel Grain & Rice Moisture Meter

## Instantly Determine Moisture Distribution

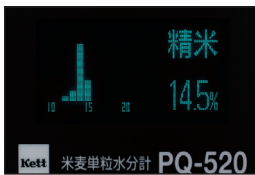
The PQ520 provides fast, continuous measurement of moisture, one kernel at a time. Based on capacitance, this measurement allows the user to accurately determine the moisture distribution of a large sample in minutes. A 300 kernel set can be measured in only two minutes, allowing the processor to optimize quality and the mill or farm to optimize yield. Wheat, barley (2) and rice (3) calibrations are included with the instrument.

## Simple Operation - Research Grade Results

To test a sample, simply select the product calibration, pour the sample into the large port and then press "Start". After measurement, the average moisture value and moisture distribution is displayed on the large LCD. Results can be output to the optional printer or a PC to document the test.



- Pour a sample into the large sample port.



- Results are displayed on the large LCD.



- Residue is captured in the tray for easy disposal.

## Outstanding Measurement Stability

Measurements are made using electrical capacitance. The PQ520 improves on our industry-standard PQ510, providing faster, more efficient processing yet even better measurement consistency. Automatic temperature compensation assists with providing lab-quality measurements anyone can obtain.

## Simple Maintenance

Whenever grain is processed, one concern is cleanliness - both for sanitation purposes as well as measurement consistency. The PQ520 has a large disposal tray to allow multiple tests before it needs to be emptied. In addition, we provided a large side door for easy access into the measurement compartment to assist with cleaning. A special design ensures that the instrument cannot be used while the door is open, providing extra safety in the work environment.

## Designed for Years of Stable Use

Kett stands behind the PQ520 with a full **One-Year** manufacturer's warranty on parts and labor. Kett's dependability and reliability allow you to productively focus on improving your product's quality and not waste time calibrating and verifying our gauges. Kett is recognized as the worldwide leader in rice and grain measurement instrumentation. With almost 60 years of design and manufacturing excellence, the PQ520, like all Kett instruments, is the standard by which others are judged.

## Options and other Instruments



- VZ330 Thermal Printer



- RN300 Rice Quality Analyzer



- C600 Rice Whiteness/Purity Meter

## Specifications

Model	PQ520
Measurement Principle	Electrical Capacitance
Measurement Range	Brown Rice (11-20%), Polished Rice (11-20%), Paddy rice (11-35%), Barley (10-40%), Naked Barley (10-35%), Wheat (10-40%)
Capacity	10-1000 kernels/sample
Measurement Throughput	150 kernels per minute (brown rice)
Precision	+/- 0.5% (less than 20%)
Resolution	0.1%
Accuracy	+/- 0.5% (less than 20%)
Display	Grain Type, Average Moisture, Kernel Count, Moisture Distribution (histogram), Date/Time
Ambient Temperature	5-40°C
Compensation	Automatic Temperature Compensation
Ambient Humidity	0-85% RH (non-condensing)
Power Source	100VAC (50/60Hz)
Power Usage	76W Maximum
Display Type	Fluorescent LCD
Communications	RS232C, Printer output
Weight (kg) (Net/Shipment)	9/13
Dimensions (mm)	320(W)x382(H)x254(D)
Accessories (incl.)	Spoon, tweezers
Options	VZ330 Printer/Cable
Warranty	One Year. Parts and Labor Maintenance Agreements available

## Tomorrow's Testing, Today!

In addition to our unique PQ520, 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 moisture or other macro organics - protein, fat/oil, sugar, fiber, ash, etc. - 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



PMB 504, 17853 Santiago Boulevard,  
Suite 107, Villa Park, CA 92861  
714-974-8837 • 714-974-8877 (FAX)

**1-800-438-5388**

[www.Kett.com](http://www.Kett.com)

**Sales, Support, Service**

## ISO 9001

