

Instant Grain and Seed Moisture Meter

Model PM450

Kett

SCIENCE OF SENSING



Kett

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

Advanced Grain and Seed Moisture Meter

Instantly Measure Moisture in Small Objects

This simple-to-use instrument provides instant, non-destructive moisture content measurement in grains, seeds and other small objects. The PM450 builds on our years of success with grain testers, updating our PM410 with numerous new features and enhancements.

The PM450 moisture tester has 26 factory calibrations, covering many of the most popular grains with one compact, battery-powered, handheld portable moisture meter. Calibrations can be adjusted for local conditions. If you need custom calibrations, please contact us about our PM650. Some of the major calibrations in the PM450 are: wheat moisture, barley moisture, corn moisture, soybean moisture, oat moisture, rice moisture, bean moisture and coffee moisture. The current calibration list is shown at: [PM450 Moisture Meter Calibrations](#).

Accurate measurement is achieved without pre-processing the samples by husking and grinding that is often required in competitive devices. This dramatically reduces overall test cycles, allowing you to focus on improving product quality and not on sample preparation.

Simple Operation - World-Class Results

To test a sample, simply fill the sample cup and pour the sample into the PM450. The moisture content is instantly displayed. Large buttons and icons, audible alarms and confirming sounds help operators have confidence in their measurements and procedures even in the most stressful environments.



- Select the product calibration



- Pour the sample and push MEA



- The test results are instantly displayed!

Outstanding Measurement Stability

Measurements are made using capacitance, comparing the di-electric constant of the solid sample with water. An integrated balance and temperature thermistor provide automatic density and temperature compensation. These components and the design of the sample cup and measurement cell combine to provide unsurpassed stability and accuracy when compared with standard loss-on-drying tests.

Unsurpassed Portability

The PM450 is battery powered and has a large grip for easy handling. Weighing less than 1.5kg (3 lbs) it can be used by anyone, anywhere accurate instant moisture measurement is needed. In the fields, at auctions, during receiving inspections, on top of trucks, rail cars and other storage totes... the PM450 is a universal moisture tester for a huge array of applications and industries.

Designed for Years of Stable Use

The PM450 is the latest design from Kett, a world-wide leader in portable moisture meters and test instrumentation. Kett stands behind the PM450 systems 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 a worldwide

Specifications

Model	PM450
Measurement Principle	Capacitance (Di-Electric)
Measurement Range	Moisture - 1-40% Product Dependent
Product Calibrations	A wide variety of seed and grains (see Calibrations for a current list)
Sample Volume	Approximately 240ml
Response Time	Instant
Accuracy	+/- 0.5% (under 20%)
Resolution	0.1%
Display	Product, Value, Density
Ambient Temperature	0-40°C
Ambient Humidity	0-85% RH (non-condensing)
Features	Automatic density and temperature compensation, auto power off, average,
Display Type	Backlit LCD
Communications	
Power	4AA Batteries
Weight (kg) (Net/Shipment)	1.3/2.2
Dimensions (mm)	125Wx215Hx205(D)
Options	
Warranty	One Year Parts and Labor Maintenance Agreements available

leader in grain measurement instrumentation. With over 65 years of design and manufacturing excellence, the PM450, like all Kett instruments, is the standard by which others are judged.

Tomorrow's Testing, Today!

In addition to our unique PM450, 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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