

Instant Moisture Meter Process, Field or Laboratory



Model KB230



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

Advanced NIR Moisture Meter

Instant Non-Contact Moisture Measurement

This simple-to-use device allows the user to measure the moisture of virtually any liquid or solid, without product preparation or degradation by utilizing near-infrared light.

Kett Moisture Meters are ideal for chemicals, pharmaceuticals, foods, pulp/paper products, polymers and most products containing at least 10 parts per million (ppm) of moisture. Test results are as accurate as the precision of the lab method initially used to calibrate the KB230. Tests can be conducted by personnel of any skill level and can be used both at-line and in the field as well as in the laboratory.

The ability to test in almost any situation opens new doors to product and process improvement. R&D personnel can easily analyze formulations throughout development, not just in laboratory settings. Manufacturing personnel can measure products on the production line, improving quality assessment and production throughput.

Simple Operation

Once calibrated, a liquid or solid sample is placed in the KB230 sample dish. The system recognizes that a sample is in place and conducts an automatic six-second test. Light is reflected off of the sample and the amount of light absorbed at discrete wavelengths is measured. These absorbance readings are converted into component values.

The average value measured during the test is shown on the integrated display. Up to 50 product calibrations can be stored in each system, allowing numerous products to be easily measured on a single analyzer. An unlimited number of product calibrations can be downloaded from a computer.

Designed for Years of Stable Use

Integrated temperature compensation, sealed membrane keypad, cooling fans and recessed wells to remove spills from measurement surfaces all combine to provide years of service from the KB230. To maintain calibration over the life of the instrument, the integrated "zero plate" automatically returns the KB230 to baseline before each test.

Kett stands behind the KB230 systems with a full One-Year manufacturer's warranty on parts and labor and specification conformance. 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.

Full Complement

In addition to our unique KB230, Kett manufactures a complete line of NIR testing systems. We provide process analyzers for automated online and inline measurement as well as the world's first and only handheld portable analyzer. If you need to measure moisture -- accurately, quickly, and simply, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!

Specifications

Model	KB230
Measurement Range	Moisture - 0-100%
Measurement Diameter	Approximately 25mm 150mm when using rotator
Response Time	Instantaneous
Refresh Rate	0.5 Seconds
Calibrations	50 Internal - Unlimited from the computer
Ambient Temperature	5-35°C
Ambient Humidity	0-85% RH (non-condensing)
Accuracy	+/- 0.01% or better (reference dependent)
Precision	To 0.001% nominal
Display	Channel number, Name, Measurement, Absorbance
Power Source/Use	100-240VAC, 50W
Measurement Principle	NIR Reflectance/Absorbance/Transmission
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Included Features	Sample cell, cell holder, optical standard, fuse, power, cable, light shield, operating manual
Display Type	Organic EL
Communications	USB, RS232
Measurement Modes	Sample or Continuous
Printer Option	VZ800
Software	Optional
Weight (kg) (Net/Shipment)	11/19
Dimensions (mm)	415(W)x230(H)x370(D)
Warranty	One Year Parts and Labor Maintenance Agreements available

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