

ADVANCED IN-LINE COMPOSITION ANALYZER

Model KJT 700



SCIENCE OF SENSING



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

Advanced Inline/Online Composition Meter

Instant Non-Contact Process Measurement

This simple-to-use device allows the user to conduct accurate continuous measurements of product components -- without sampling, product contact, or degradation. Using the principle of near-infrared reflectance, items such as moisture, fat, protein, film thickness, coat weight, and carbon content (BTU) can be monitored, and process control automated.

Kett Composition Meters can measure on conveyors, augurs, drop chutes, pneumatic transport and gravity feeds. In addition, the KJT700's precision allows measurement through a sight glass into process vessels such as spray dryers, fluid-bed dryers, calciners and rotary granulators. If the product can be seen, it can be accurately measured!

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

Simple Operation

Once calibrated, the KJT700 is simply aimed at the surface of the liquid or solid to be measured and light is absorbed by the chemical components. The detected absorbance is converted into component values. Up to 99 product calibrations are stored in each measurement head, allowing measurement at multiple points on a process, or, different processes, by simply unbolting the four mounting bolts, moving the head to the new location, rebolting, and connecting to AC power. An unlimited number of product calibrations can be uploaded and downloaded from a PC.

Options

Various Options and configurations are available depending on the application, installation location and environmental conditions. Provisions for CIP, explosion proofing, network communications, and auto sampling can be provided. Full support for initial calibration and commissioning are included with each system. The KJT700 is the new standard for online measurement.

Designed for Years of Stable Use

Integrated temperature/humidity compensation, air purge capability, NEMA 12 housing (and explosion proof options), sealed electrical connectors, and custom built components give you the assurance that these meters will provide years of use. To maintain calibration over the life of the instrument, simply insert the included "zero plate" and the KJT700 system will be brought back to baseline measurement in less than five seconds.

Kett stands behind the KJT700 systems with a full One-Year guarantee on parts and labor. Kett's dependable quality allows you to productively focus on improving your product's quality and not waste time calibrating and verifying our gauges.

Tomorrow's Testing, Today!

Kett offers a complete line of innovative measurement devices — for laboratory, field, and commercial applications.

If your company needs fast, accurate measurements, get Kett!



PMB 504, 17853 Santiago Boulevard,
Ste. 107, Villa Park, CA 92861
714-974-8837 • 714-974-8877 (FAX)
www.Kett.com

1-800-438-5388

Sales, Support, Service

Specifications

Model	KJT700
Measurement Range	0-100%
Measurement Distance	350 +/- 50mm
Measurement Diameter	50mm
Response Time	Instantaneous
Refresh Rate	0.1 Seconds
Analytical Curves	50 Internal - Unlimited from the PC
Ambient Temperature	0-40C w/o Cooling
Ambient Humidity	0-90% RH - Non Condensing
Accuracy	+/- 0.01% or better (reference-dependent)
Precision	To 0.001% nominal
Display	Channel Absorbance Value
Power Source	100-200V +/- 10% AC
Measuring Principle	NIR Reflectance/Absorbance
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Display Type	LED Digital
Communications	RS485/4-20mA
Measurement Modes	Sample or Constant
Printer Option	VZ330
Weight (Net/Shipmt)	9.5/13.6kg
Dimensions (mm)	319Hx176Wx363D
Warranty	One Year Parts and Labor Maintenance Agreements Available

Full Complement of Products

Offering a complete line of NIR testing systems, Kett manufactures desktop units for lab or near-line use and the world's first and only handheld portable. If you need to measure product constituents, wish to place an order, or if you require additional guidance on model selection, please call toll-free!

1-800-GET-KETT