

NEAR-INFRARED COMPOSITION METER

Model KJT550

Kett

SCIENCE OF SENSING



Kett

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

Infrared Composition Meters

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 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 KJT550's precision allows measurement through sight glasses 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 KJT550 is simply aimed at the surface of the liquid or solid to be measured and light is absorbed by the chemical components to be measured. The detected absorbance is converted into component values. Up to 100 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.

Designed for Years of Stable Use

Integrated temperature/humidity compensation, air purge capability, Nema 4 housing (and explosion proof options), sealed electrical connectors, and custom built components give you with 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 KJT550 system will be brought back to baseline measurement in less than five seconds.

Kett stands behind the KJT550 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, not waste time calibrating and verifying our gauges.

1-800-GET-KETT

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!



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Sales, Support, Service

Specifications

Model	KJT550
Measurement Range	0-100%
Measurement Distance	350 +/- 50mm
Measurement Diameter	35-50mm
Response Time	Instant
Refresh Rate	0.5 Seconds
Analytical Curves	100
Ambient Temperature	0 - 40 C
Ambient Humidity	0 - 90% RH
Accuracy	+/- .1% or better (reference-dependent)
Precision	To 0.001% nominal
Display	
Channel	Y
Head	Y
Absorbance	Y
Value	Y
Power Source	110 VAC
Measuring Principle	NIR Reflectance/Absorbance
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Display Type	LED Digital Backlit LCD
Communications	RS232C
Remote Control	Y
Weight (Net / Shipment)	17/45 lbs 14/40lbs (Processor)
Dimensions (mm)	432Hx150Wx289D 248Hx157Wx320D (Processor)
Warranty	One Year Parts and Labor Maintenance Agreements Available

Full Complement

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!