

ONLINE NEAR-INFRARED COMPOSITION METER

Model KJT70



SCIENCE OF SENSING



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

Infrared Composition Meter - Online Process

Instant Non-Contact Process Measurement

This simple-to-use device allows the user to measure the various chemical components of virtually any liquid or solid, without product preparation or degradation. Using the principle of near-infrared reflectance, constituents such as moisture, fat/oil, protein, film thickness, coat weight, and carbon content (BTU) can be instantly measured.

Kett Composition Meters are ideal for chemicals, pharmaceuticals, foods, pulp/paper products, polymers and most products containing organic substances. Test results are as accurate as the precision of the lab method initially used to calibrate the KJT70. Tests can be conducted by personnel of any skill level and can be used both at-line and 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, the KJT70 is placed over the product stream. Light is reflected off of the process and the amount of light absorbed at discrete wavelengths is measured. These absorbance readings are converted into component values.

The smart sensor design allows the instrument to be operated without a PC/controller for much simpler installation and improved maintenance. The measured values are displayed on the large integrated display and may be output to data collection sites and remotely displayed by the integrated analog and digital output ports. 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 PC.

Designed for Years of Stable Use

Integrated temperature compensation, standard optical standard and reference filters, externally mounted cooling fins and lamp and a sealed housing all combine to provide years of service from the KJT70. Kett stands behind the KJT70 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.

1-800-GET-KETT

Tomorrow's Testing, Today!

Kett offers a complete line of innovative measurement devices for laboratory, field, and process applications. If your company needs fast, accurate measurements, get Kett!



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Sales, Support, Service

Specifications

Model	KJT70
Measurement Range	0-100%
Measurement Distance	170mm
Measurement Diameter	40mm
Response Time	Instant
Refresh Rate	0.2 Seconds
Online Calibrations	50
Ambient Temperature	0-40C
Ambient Humidity	0-90% RH
Accuracy	+/- 0.01% (reference dependent)
Precision	To 0.01%
Display	Head/Channel/Abs/Value
Power Source	100VAC
Measuring Principle	NIR Reflectance/Absorbance
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Display Type	LED Digital
Communications	RS485/232/4-20mA
Remote Control	Y
Weight (Net/Ship)	8/15 kg.
Dimensions (mm)	322Lx164Wx297H
Warranty	
One Year Parts and Labor Post-warranty maintenance agreements are also available. Please call for details.	

Full Complement

Offering a complete line of NIR testing systems, Kett manufactures process analyzers for automated online measurement as well as the world's first and only handheld portable analyzer. If you need to measure product composition, wish to place an order, or require additional guidance on model selection, please call Kett toll-free!