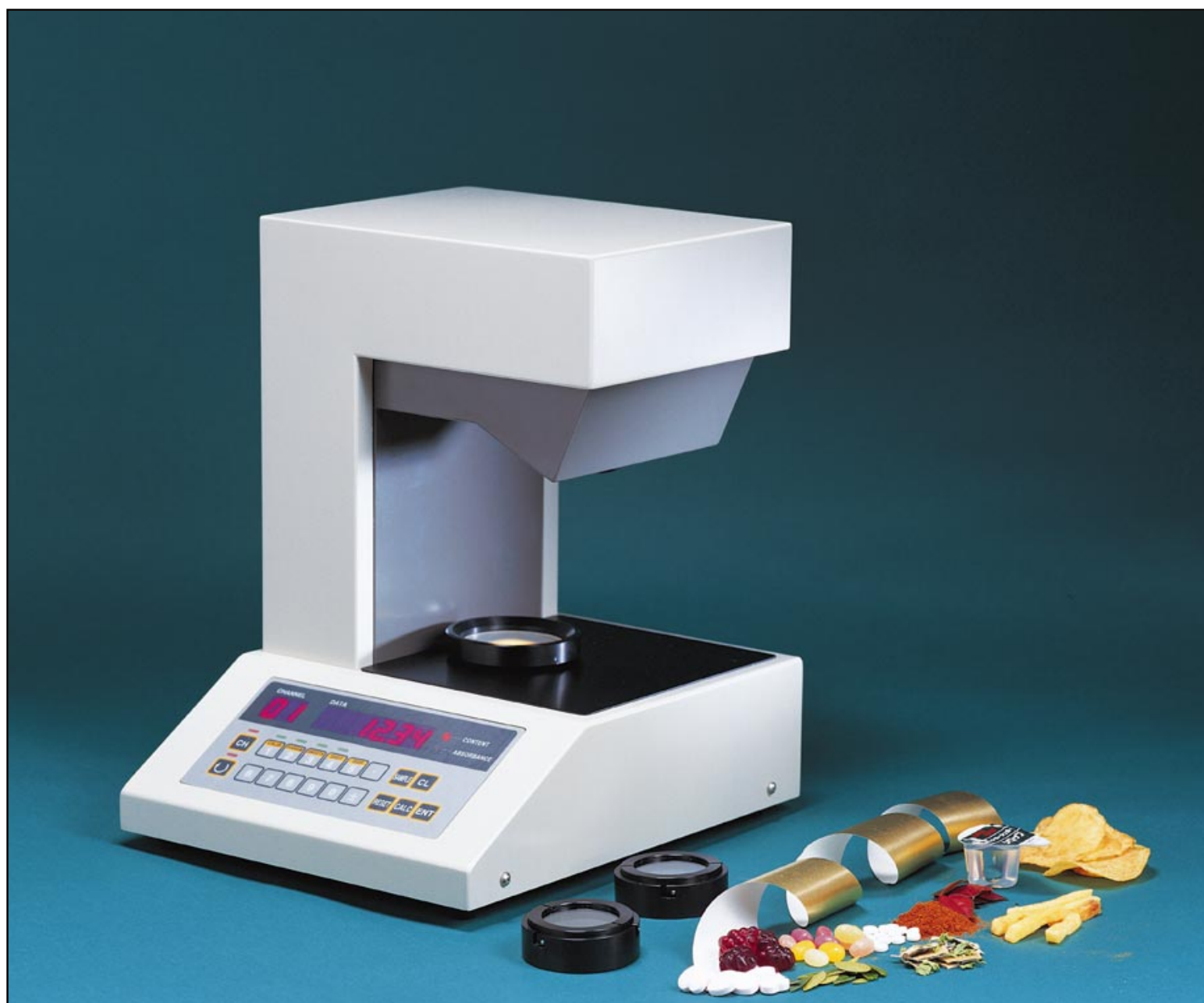


NEAR-INFRARED COMPOSITION METER

Model KJT270

Kett

SCIENCE OF SENSING



Kett

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

Infrared Composition Meter

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 KJT270. 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, a liquid or solid sample is placed in the KJT270 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 and automatically forwarded to a PC and/or printer for test documentation. 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, sealed membrane keypad, cooling fans and recessed wells to remove spills from measurement surfaces all combine to provide years of service from the KJT270. To maintain calibration over the life of the instrument, the integrated "zero plate" automatically returns the KJT270 to baseline measurement before each test.

Kett stands behind the KJT270 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.

Specifications

Model	KJT270
Measurement Range	0-100%
Measurement Distance	117 +/- 10mm
Measurement Diameter	26mm
Response Time	Instantaneous
Refresh Rate	0.5 Seconds
Analytical Curves	50 Internal - Unlimited from the PC
Ambient Temperature	0 - 40 C
Ambient Humidity	0 - 90% RH - Non Condensing
Accuracy	+/- .1% or better (reference-dependent)
Precision	To 0.001% nominal
Display	Channel Absorbance Value
Power Source	100-200V +/-10% VAC
Measuring Principle	NIR Reflectance/Absorbance
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Display Type	LED Digital
Communications	RS232C
Measurement Modes	Sample or Constant
Printer Option	VZ340
Weight (Net / Shipment)	9.5/13.6kg
Dimensions (mm)	335Hx249Wx300D
Warranty	One Year Parts and Labor Maintenance Agreements Available

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!

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!



PMB 504, 17853 Santiago Boulevard,
Suite 107, Villa Park, CA 92861
714-974-8837 • 714-974-8877 (FAX)

1-800-438-5388

www.Kett.com

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