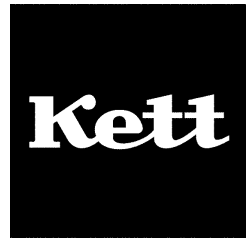


# NEAR-INFRARED COMPOSITION METER



SCIENCE OF SENSING

Model KJT270F - Fiber Optic Version



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

# Infrared Composition Meter - Fiber Optic Version

## 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. Use of the reflectance or transmittance probe allows measurements to be made within hazardous and/or extreme temperature vessels

### Simple Operation

Once calibrated, a liquid or solid sample is placed under the fiber probe. The system provides an instant measurement. 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. Since the system is a "smart" instrument, the measured value is immediately shown on the integrated display and automatically forwarded to a PC and/or process control loop for documentation and process adjustment. 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 simple operation all combine to provide years of service from the KJT270F. To maintain calibration over the life of the instrument, the external "zero plate" automatically returns the KJT270F to baseline measurement when needed. 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.

# 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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[www.Kett.com](http://www.Kett.com)

**Sales, Support, Service**

## Specifications

Model	KJT270F
Measurement Range	0-100%
Measurement Dist.	117 +/- 10mm
Measurement Dia.	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	or Transmittance
Light Source	Tungsten Lamp
Detector	Lead Sulfide
Display Type	LED Digital
Communications	RS232C
Measurement Modes	Sample or Constant
Printer Option	Not Applicable
Weight (Net / Shipment)	9.5/13.6kg
Dimensions (mm)	250Hx410Wx120D
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!