

# NEAR-INFRARED COMPOSITION ANALYZERS

**Kett**

*SCIENCE OF SENSING*

**Model 400, 500**

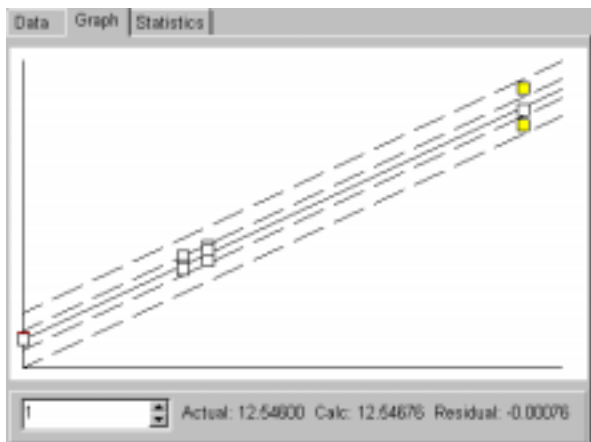


**Kett**

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

## Instant, Continuous, Non-Contact Measurement!

Using Near-Infrared Reflectance (NIR), these robust instruments provide instant measurements on production lines, in process vessels, or in stationary settings. Integrated microprocessors allow the measurement heads to operate without additional hardware. This allows calibrations to be standardized and distributed throughout multinational corporations. Calibration and operation is managed with our PC-based software.



### Broad Measurement Capabilities

Numerous components can be measured. Common applications include:

Moisture	Fat	Protein
BTU	Ash	Film Thickness
Cellulose		

The 400 series is configured to measure one component. The 500 series uses up to four measurement wavelengths and can be programmed to measure multiple components simultaneously.

### Additional Measurement Devices

We offer a complete line of measurement devices for on-line, laboratory, and field testing. Over 50 years of experience provides Kett with numerous technologies to handle analysis requirements.

If you need to measure product composition, wish to place an order, or, if you require additional guidance on model selection, please call toll-free!

# 1-800-438-5388

### 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, please call Kett!

## Specifications

Model	KJ150	KJ140
Measurement Range	0-100%	0-100%
Measurement Distance	350 +/- 50mm	350 +/- 50mm
Measurement Diameter	35-50mm	35-50mm
Response Time	Instant	Instant
Refresh Rate	0.5 Seconds	0.5 Seconds
Analytical Curves	100	100
Ambient Temperature	0 - 40 C	0 - 40 C
Ambient Humidity	0 - 90% RH	0 - 90% RH
Accuracy	+/- .1% or better (reference-dependent)	+/- .1% or better (reference-dependent)
Precision	To 0.001% nominal	To 0.001% nominal
Display		
Head	Y	Y
Absorbance	Y	Y
Value	Y	Y
Power Source	110 VAC	110 VAC
Measuring Principle	NIR Reflectance/Absorbance	NIR Reflectance/Absorbance
Light Source	Tungsten Lamp	Tungsten Lamp
Detector	Lead Sulfide	Lead Sulfide
Display Type	LED Digital Backlit LCD	LED Digital Backlit LCD
Communications	RS232C	RS232C
Remote Control	Y	Y
Weight (Net / Shipment)	1745 lbs / 1440lbs (Processor)	1745lbs / 1440lbs (Processor)
Dimensions (mm)	432Hx150Wx289D 248Hx157Wx320D (Processor)	432Hx150Wx289D 248Hx157Wx320D (Processor)
Warranty	One Year Parts and Labor Post-Warranty Maintenance Agreements Available	

### Quality

We stand behind the durability and quality of our entire line of Kett NIR Analyzers. The 400 and 500 series offer a full one-year warranty. We will repair the product or replace it for one year should it fail to perform to specifications during normal wear and tear. Our field engineers will assist with process analysis, initial calibration and problem determination. Our goal is your satisfaction.

Kett's dependable quality allows you to productively focus on improving your product's quality, not waste time calibrating and verifying our analyzers

When your quality is on the line, get on the line to KETT!



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**1-800-438-5388**

**Sales, Support, Service**