

Kett

SCIENCE OF SENSING

# AN-2000WB

## Wheat / Barley Composition Analyzer



# Wheat / Barley Composition Analyzer AN-2000WB

Easy approach to measure protein, moisture and oil(option) for several grain seeds!

The AN-2000WB is a powerful Near Infrared Spectrophotometer capable of measuring protein and moisture in cereal grains.

The instrument uses near infrared transmission spectra and supports a range of sample cells for whole grains and seeds by using a special sample cell.

The AN-2000WB uses a moving sample cell to average spectra over a wide sample area.

## NIR TRANSMISSION TECHNOLOGY

Same NIR technology used worldwide on the spot testing at elevators, inspection sites.

## BROAD SPECIAL RANGE FROM 720-1100nm

Multiple constituent analysis, Optimum PLS calibrations.

## NO MOVING PARTS

Unaffected vibration. Independent of orientation.  
Rugged, stable and compact.

## INTERNAL COMPUTER, KEYBOARD and LCD

Store calibrations and predicts constituents onto a LCD.  
Save results easily from Keyboard.

## EASY OPERATION



Wheat



Barley



Soy bean (Option)



## Specification

Measurement method	Near infrared penetration method	
Light Source	Halogen lamp (lamp life 3000hrs)	
Applications / Display ranges of preset-calibrations	Wheat	Protein : 6-16% (CM13.5%) Moisture : 8-20%
	Two-rowed barley	Protein : 6-15% (DM) Moisture : 9-20%
	Six-rowed barley	Protein : 7-13% (DM) Moisture : 8-20%
	Soybean (Option)	Protein : 25-40% (DM) Moisture : 6-20% Oil : 15-27%
Sample Volume	Approx. 240mL (Wheat)	
Scan range	720 - 1100 nm	
Measurement time	Approx. 75s	
Display format	Backlit dot matrix LCD	
Scan speed	2-4 seconds	
Input/Output terminals	RS-232C, Printer output terminal	
Power source	AC 100 - 240V	
Dimensions	510(W) × 380(D) × 270(H) mm	
NET Weight	9.2 kg	
Accessories	Sample case x1pc, Standard sample (Wheat) x1pc, Standard sample (Two-rowed barley) x1pc, Standard sample (Six-rowed barley) x1pc, Power cable x1pc, AC adapter x1pc, Fuse x1pc, Cleaning brush x1pc, Operation Manual x1pc	
Options	Printer VZ-330 (AC100V/220V), Calibration Curve (Soybean)	

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## KETT ELECTRIC LABORATORY

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Management System Enhancement Department of the Japanese Standards Association (JSA) registers the Quality Management System of the above organization, which conform to JIS Q 9001, ISO 9001.

The Scope of the Registration.

Design, development and production management of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers. Calibration and repair of Moisture Testers, NIR Composition Analyzers, Grain Inspectors and Coating Thickness Testers.

## Requests