

## Specifications

### Function

Field analysis of food/cheese for protein, moisture, oil, and other constituents.

### Optical Capabilities

Spectrum Range	14 filters covering wavelengths from 893 to 1045 nm (standard)
Scan Speed	Up to 10 scans per second
Optical Range	0 to 6 AU
Resolution	0.0001 AU
Stability	0.05 Mili-AU
Measurement Modes	Diffuse transmittance
Measurement Time	Variable (typically under 1 minute)
Measurement Data	Log 1/T value; 14 primary wavelengths and 2 temperatures

### Sample Information

Sample Size	100 grams approximately
	Interchangeable, Variable Path Length 5-16 mm cuvette for liquids and slurries
	Clamshell Cup (Bags)
	16 mm Cuvette
	25 mm Cuvette
Sample Preparation	None (typical)
Sample Destruction	None (typical)
Measurement Range	From 1.0% to 95%

### Physical Data

Dimensions	10.5" x 4.75" x 3" (26 x 12 x 9 cm)
Weight	3 lbs. (1.5 kg)

### Installation Data

Power Requirements	Batteries: (6) alkaline 1.5V "AA," AC/DC Adaptor: 120 to 240 VAC, 50/60 Hz
Power Consumption	750 mw

### System Capabilities

Data Transfer	Via RS-232 port interface with PC
Results	Approaches lab accuracy when calibrated to official laboratory tested samples
Temperature Compensation	Built-in: Instrument 5° - 45° C (45° - 110° F) Sample -10° - 45° C (20° -110° F)
Outputs	LCD display, optional printer

## Other Zeltex Products

### Zeltex KJT-200 Moisture Meter

- Non-contact moisture measurement of solids, granules, liquids, and pastes
- Results in less than 4 seconds
- Measures moisture concentrations from 0.07% to 40%
- Can be used in the lab or at the production line
- Includes RS-232 output
- Measures entire surface of the sample
- Includes accessories to measure difficult products

Photo Of  
KJT-200

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# Near Infrared Food/Cheese Analyzer

## ZELTEX ZX-550

For Analysis

...Where you need it most

...When you need it most





# Increased Profits... From The Line... From The Lab... From The Field

## The ZX-550 Provides On-The-Spot Data To Help You Manage Production, Control Food Quality... and Increase Your Bottom Line!

### Time (and Knowledge) is Money

In today's highly competitive marketplace, speed and flexibility can be the difference between success and failure. The ZX-550 Food/Cheese Analyzer is designed to give you the speed, and the flexibility, you need to keep ahead of the competition.

### Portable, Accurate, State-Of-The-Art Analysis

The ZX-550 Food/Cheese Analyzer is designed to accurately analyze:

- Process Cheese
- Confections
- Ground Beef
- Natural Cheese
- Raw Ingredients
- Grain Harvests
- and More ...

### To Measure:

- Protein
- Moisture
- Fat
- and More ...

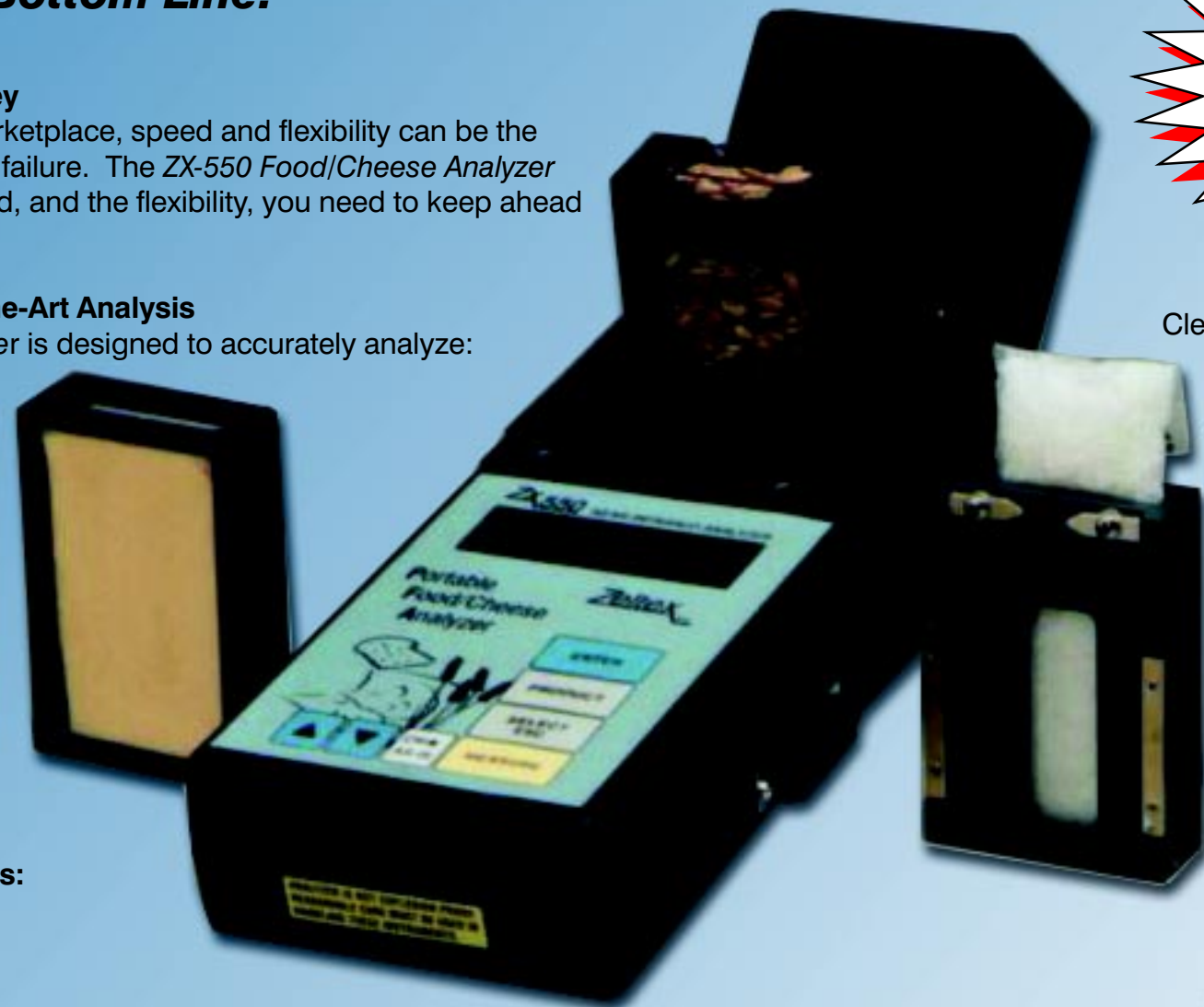
### Accurately and Easily Measures:

- Solids
- Liquids
- Slurries

### Rugged, Portable, and Easy To Use

The ZX-550 Food/Cheese Analyzer is specially designed for the rigors of everyday use. It can go from the lab to the receiving dock, to the production line without missing a reading. Its patented, solid state design, ensures that it will keep working... all day, every day.

And yes, it is very easy to use. The ZX-550 Food/Cheese Analyzer requires no special skills. Simply place the product to be analyzed into the sample holder, and insert it into the analyzer. Once activated, the ZX-550 Food/Cheese Analyzer quickly measures your product, and, in less than a minute, provides an easy-to-read display on the analyzer's built-in LCD display.



Each ZX-550  
Includes 40 Hours  
Of Free  
Technical Support\*

Clean Up Is Fast & Easy Thanks To The ZX-550's unique sample holders

The ZX-550 Features An Easy To Read LCD Display



\*Technical support provided by telephone, fax, and e-mail

## Outstanding Operating Features for Long Term Reliability and In-The Field Use

### The ZX-550

Easy to use

Completely Portable -- can be used with (6) 1.5V "AA" alkaline batteries or AC/DC adaptor

Provides unmatched reliability (no moving parts to fail or break)

Measures a large 100 gram sample

Displays results in under 1 minute

Accurately measures at extreme moisture levels

Automatically compensates for temperature

Measures multiple constituents simultaneously

Features a built-in RS-232 port for sending data to a PC for further analysis or printing

Includes the following items:

- Variable path length sampleholder (3-16mm)
- Full Calibration analysis software
- Rugged Carrying Case
- AC Adapter
- Clamshell/bag sample holder



Optional Printer Available (pictured at left)

## How It Works: Applied Science In Measurement

Light energy that enters the sample is scattered and absorbed within the sample. The ZX-550 analyzes the spectra exiting from the sample, and directly displays the product's constituent concentrations.

