

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

Zeltex
Inc.

Near Infrared Food/Cheese Analyzer

ZELTEX ZX-550

For Analysis

...Where you need it most

...When you need it most



Zeltex
Inc.

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.

