

# SpectraAnalyzer QC axiom

The SpectraAnalyzer QC axiom is a modern, scanning, easy to use NearInfraRed spectrometer used in routine analysis and application development in the food and chemical industry and agriculture. The SpectraAnalyzer QC axiom is dedicated to be operated either as a high performance laboratory instrument or an at-line process control tool for the multi component analysis of powder-, pasteous and liquid products. The embedded instrument software supports a fail-safe routine analysis operation. In order to develop applications in central laboratories or for scientific studies the instrument can be fully controlled via a connected computer system. Its integrated network interface allows a centralised administration and update of available calibrations.

- Chemical industry  
Numerous applications in synthetics, resins, detergents, cosmetics, pharmaceuticals
- Food industry  
Determination of fat, protein, carbohydrates, moisture, oil content, iodine and peroxide number in frozen foods, dairy products, confectionary, meat and other products
- Agriculture  
Determination of fat, protein, carbohydrates, amino acids, ash, starch, crude fiber, ADF, NDF in raw materials and finished mixed feed

## SpectraAnalyzer



**ZEUTEC**  
OPTO-ELEKTRONIK GmbH  
www.zeutec.de

## Features

- Dual-beam precision scanning optics with individual reference measurement at each wavelength that ensures minimized drift sensitivity, excellent long-term stability, optimized wavelength precision and optimum signal to noise
- Unsurpassed flexibility in sample handling. Three sample drawers utilised for measuring powders, liquids and heterogeneous samples in combination with a variety of sample cups ensure application specific sample presentation.
- Rapid simultaneous determination of all calibrated properties with no chemicals needed.
- Auto-Diagnostic and automatic wavelength calibration.
- Icon driven user interface for straightforward



## Technical Data

for powders, solids, pasteous products and liquids

scanning dual-beam NIR spectrometer

spectral Range: 800 - 2600 nm

spectral bandwidth: 10 nm, sampling 1 nm

Sample/Reference technology

high Signal to Noise > 10000:1

TFT display 5.7", 640 x 480 pixels

Touch Wheel user interface

Auto-diagnostics

Printer (optional)

Interfaces: serial, USB 2.0, Ethernet, VGA

Standard Calibrations (optional)

Power requirements: min. 90 V AC (50-60 Hz) max. 260 V AC (50-60 Hz)

Operating temperature: 5 - 40 °C non-condensing

Height: 375 mm, Width: 640 mm, Depth: 450 mm, Weight: 32 kg

**Order No.:**

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[www.spectraalyzer.com](http://www.spectraalyzer.com)

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