

ZEUTEC



SpectraAlyzer
CLINICAL 

Accurate and Fast Analysis

Excellent analysis for an excellent health



The SpectraAnalyzer CLINICAL – Advanced Solution for Routine Stool Analysis

In modern medical diagnostics, analyzing changes in stool composition – including water, fat, nitrogen, sugar, and starch content – plays an important role in clinical evaluation. The quantification of these components remains one of the key diagnostic tools for identifying malabsorption and maldigestion disorders.

Designed as a modular system, the **SpectraAlyzer CLINICAL** delivers **quantitative analytical results for essential parameters such as fat, moisture, nitrogen, starch, and sugar within 45 seconds**. No manual sample conditioning is required, and no additional reagents are needed, enabling highly accurate fecal analysis without extra operational costs.

Traditional laboratory methods are often time-consuming and expensive. By utilizing NIR spectrometry, the SpectraAlyzer CLINICAL enables rapid multi-component analysis with high accuracy in the shortest possible time.

As a standalone system, the SpectraAlyzer CLINICAL is designed for easy and intuitive operation. Its rugged construction and unique optical sample/reference setup ensure **reliable performance even in environments with temperature fluctuations, vibrations, and dust.**

The **SpectraAlyzer CLINICAL analyzer** comes with numerous ready-to-use calibration models and a powerful software package that supports calibration fine-tuning, automated data logging, and comprehensive database storage of analytical results. Data can be stored directly on the analyzer, within the company intranet, or through internet-based systems.



Key Features



NIR Sample – Reference technology

like all SpectraAnalyzer® instruments for high sensitive and long term stable measurements.



Versatile sample presentation

with closed, open, viscous, slide and disposable cups for powders, pastes, slurries and liquids.



User friendly

sample presentation and easy to operate.



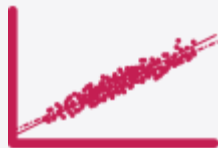
Compact design

optimized for bench top or at-line application



Touch user interface

and intrinsically mounted glass touch for straight forward hygienic instrument operation.



Many mathematical models

for all kind of products included for quick algorithms installation and start-up.



Webserver

web connectivity for direct instrument access via LAN and internet from anywhere, any time.

Technical Data

SpectraAnalyzer CLINICAL 110-A100-16

Design

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Design	NIR Monochromator
Spectral range	(800) 1400-2500 nm
Wavelength Accuracy	<0.05 nm
Wavelength Precision	<0.005 nm
Optical bandwidth	< 10 nm ±2 nm
Referencing	Dual beam system, Sample / Reference measurement
High signal to noise ratio	> 150.000:1
DataBase	Large expandable internal memory for calibrations, methods and history results
Diagnose	Auto-diagnostics
User Interface	Graphical user interface, projected capacitive glass touch panel

Specifications

+

Accessories

+

Technical Data

SpectraAlyzer CLINICAL 110-A100-16

Design

+

Specifications

x

Screen	TFT 800 x 480 pixel
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Power requirements	min. 90 V AC (50 – 60 Hz), max. 260 V AC (50 – 60 Hz), 220VA
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Operating temperature	5 °C – 40 °C non-condensing
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Interfaces	1 x front USB 2.0, 3 x USB 2.0, 2 x RS232, Ethernet, Audio out
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Dimensions	Height: 310 mm / Width: 300 mm / Depth: 480 mm
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Weight	17 kg
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Accessories

+

SpectraAlyzer CLINICAL

Technical Data

SpectraAlyzer CLINICAL 110-A100-16

Design

+

Specifications

+

Accessories

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Standard calibration models	Included
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Keyboard	As optional accessory
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Barcode reader	As optional accessory
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WLAN	Wireless LAN as optional accessory
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Printer	Thermal ticket or office type printer as optional accessory
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AWX Software package	Application worx, chemometric software package
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SpectraAlyzer CLINICAL