



The SpectraAnalyzer **SUGAR is the ideal solution for routine analysis of major quality parameters during sugar production and processing.**

In modern sugar factories, reliable and accurate analysis methods are necessary to provide customers with products of highest and – what is most important – consistent quality. In order to be most competitive in the world market, consistent high yields, **top sugar quality control and low production costs** are the objectives that need to be achieved.

Designed as a modular system, the SpectraAnalyzer **SUGAR analysis solution presents** the quantitative analytical results of major quality parameters (dry matter, sucrose content, purity, ash content, glucose / fructose content) and many others within **45 seconds**. There is no need to manually condition the sample and extra reagents do not have to be used so this sugar analysis provides highly accurate quality control parameters at no extra cost.

In sugar production processes, it is necessary to analyze samples at different stages of the production chain. In this process different physical sample states occur, such as. liquids, viscose samples and granules. For the analysis of these different sample

types the **SpectraAlyzer SUGAR** offers the possibility to use two different drawers. With the *liquid drawer*, liquids can be easily pumped into the measuring cell and be analyzed. For the *standard drawer*, there are a variety of sample cups that are specifically designed for different samples. Some examples are listed left but ZEUTEC can help you define the most suitable sample cups for your products and application.

As a stand alone system the SpectraAlyzer SUGAR can be operated very easily and intuitively – even close to the production line. The rugged construction and unique optical sample/reference setup ensures reliable operation in environments with fluctuating temperatures, vibrations and dust.

The SpectraAlyzer SUGAR analyzer comes with many ready to use calibrations and a powerful software package to facilitate calibration fine tuning and extensive and automated logging as well as database storage of the analytical results on the analyzer, within the company intranet and/or the internet.

Key features



NIR sample/reference technology

like all SpectraAlyzer® 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

optimised 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 calibration models installation and start-up.



Web server

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

Technical data

SpectraAlyzer **SUGAR** 110-A100-7
Design

For sugar products

Spectral range 1400 – 2400 nm

Dual beam system, sample/reference measurement

High signal to noise ratio	> 150.000 : 1
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Large expandable internal memory for calibrations, methods and history results

Auto-diagnostics

Graphical user interface, projected capacitive glass touch panel

Accessories

Standard calibrations	Included
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Keyboard	As optional accessory
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Barcode reader	As optional accessory
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Printer	Thermal ticket or office type printer as optional accessory
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AWX	Application work, chemometric software package
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Specifications

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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