SpectraAlyzer
WINE

Made for People
WHO LOVE WINE

ZEUTEC

made
in
Germany

What it does for you

> The **SpectraAlyzer WINE** is the ideal instrument for wine quality check and quality control solutions for routine analysis of major quality parameters during wine production.

In modern wine quality check processing operations, reliable and accurate analysis solutions 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 quality and low production costs are the objectives that need to be achieved.

Designed as a modular system, the SpectraAlyzer WINE solution presents the analytical results of these major quality parameters within 45 seconds:

• **Must:** °Brix, Density, pH, tot. Acidity, vol. Acidity and others

• **Wine in fermentation:** Alcohol, Density, Glucose + Fructose, red. Sugar, Malic acid, Lactic acid, pH, tot. Acidtiy, vol. Acidity

• **Finished wine:** Ethanol, Density, Glucose + Fructose, red. Sugar, Malic acid, pH, tot. Acidity, vol. Acidity, Colour OD (420/520/620 nm)
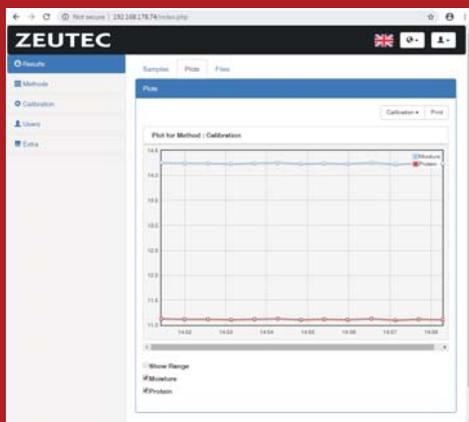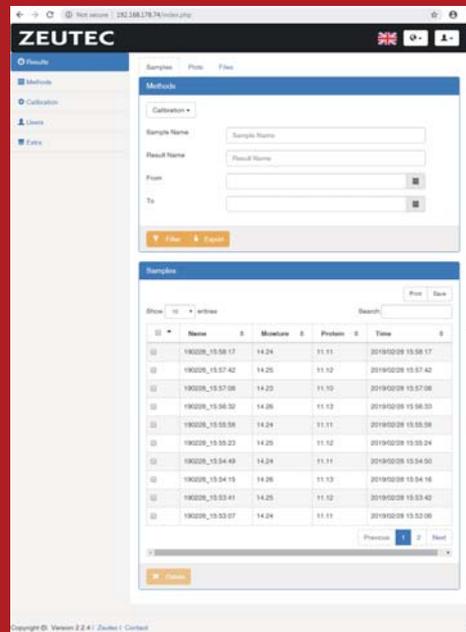
There is no need to manually condition the sample and extra reagents do not have to be used. This analyser solution provides **highly accurate quality control parameters at no extra cost**.

As a stand alone system the analyser solution can be operated very easily and intuitively for wine quality check and quality control, 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.

For a higher analytical throughput **two autosampler types** are available for total system integration into LIMS or other data networks. Immediate company wide data visualization is possible using the embedded web server, providing actual and historic analytical data in real time.
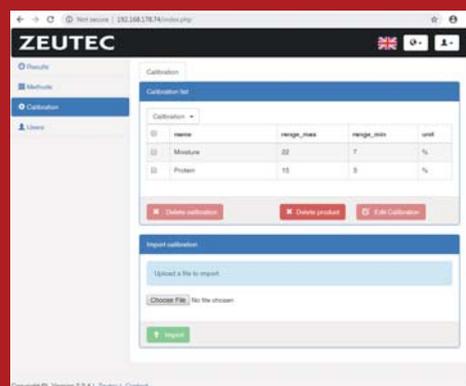
Online Electronic
Lab Logbook

- Full sample and analytical results history
- Filter results by time or sample name
- Search for samples
- Export to Application Worx
- Copy, print or save (PDF / Excel) samples

- Plot multiple properties as graph
- Select / deselect different properties

- Calibration management
- Import feature for new / updated calibrations

Key features

Versatile sample presentation

by means of a syringe, a pump, or an autosampler.

Many mathematical models

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

NIR sample/reference technology

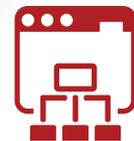like all SpectraAlyzer instruments for high sensitive and long term stable measurements.

Touch user interface

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

Compact design

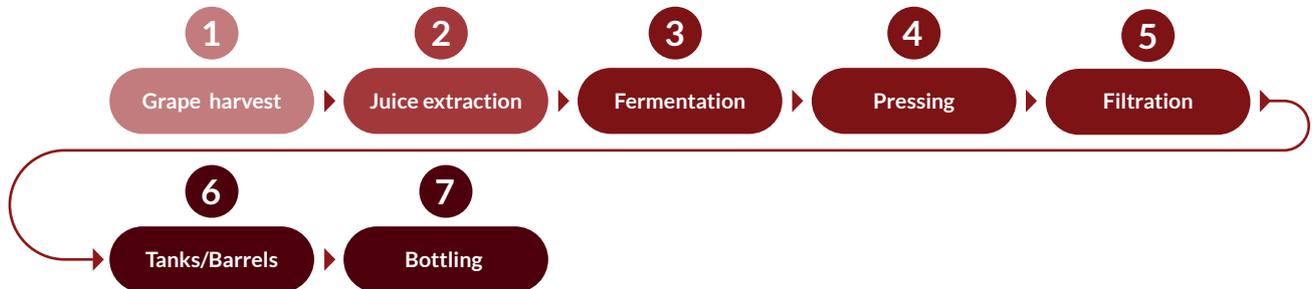optimised for bench top or at-line application.

User friendly

sample presentation and easy to operate.

Web server conectivity

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

Production process flow diagram

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1 Grape harvest  ▸  2 Juice extraction  ▸  3 Fermentation  ▸  4 Pressing  ▸  5 Filtration
6 Tanks/Barrels  ▸  7 Bottling
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Grape harvest 1

Before harvesting: determine the important parameters to choose the optimal harvesting moment. °Brix, Density, pH, tot. Acidity, vol. Acidity and others.

Juice extraction 2

During extraction: check on the quality must parameters e.g. Extract, Density, Alcohol, vol. Acidity.

Fermentation, Pressing, Filtration 3 4 5

During fermentation and further processing: Ethanol, Density, Glucose + Fructose, red. Sugar, Malic acid, Lactic acid, pH, tot. Acidtiy, vol. Acidity.

Filtration, Bottling 6 7

During maturation and final bottling: Ethanol, Density, Glucose + Fructose, red. Sugar, Malic acid, pH, tot. Acidity, vol. Acidity, colour OD (420/520/620 nm)

Technical data

Design

Spectral range 1400 - 2400 nm

Dual beam system, Sample / reference measurement

High signal to noise ratio > 150.000 : 1

Large expandable internal memory for calibrations, methods and history results

Auto-diagnostics

Graphical user interface, projected capacitive glass touch panel

Optional Accessories

Keyboard, Mouse, Barcode Reader, Printer, Application worx (AWX), Pump, AutoSampler, Colour module

Liquid cell

Sample temperature control	15 - 50 °C ± 0.01 °C
Liquid ports	¼"- 28 UNF

Synchronization to SpectraAlyzer, integrated soft control via SpectraAlyzer

Analytical Performance

Please refer to commodity specific performance data sheet

Specifications

Screen	TFT 800 x 480 pixel
Power requirements	min. 90 V AC (50 - 60 Hz), max. 260 V AC (50 - 60 Hz), 220 VA
Operating temperature	5 °C - 35 °C non-condensing
Interfaces	1 x front USB 2.0, 3 x USB 2.0, 2 x RS232, Ethernet
Dimensions	Height: 310 mm / Width: 300 mm / Depth: 480 mm
Weight	17 kg

Order information

SpectraAlyzer WINE	110-A100-2

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