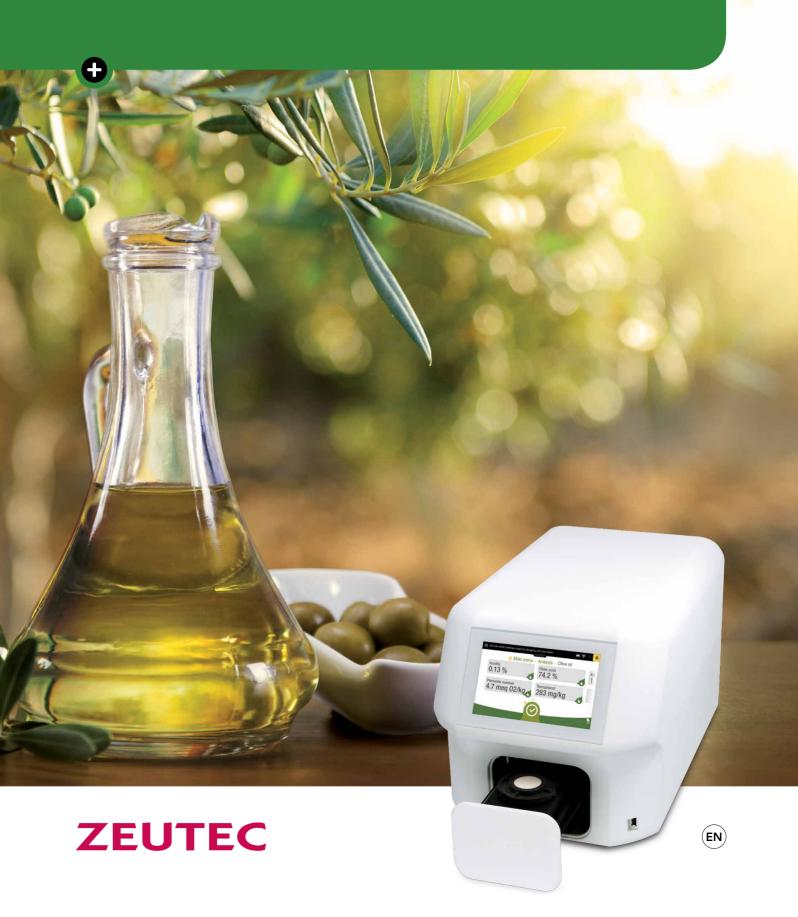
Spectra Alyzer olive



Advantages

The SpectraAlyzer 2.0 OLIVE and TW OLIVE "Top Window" are the most advanced analytical instrument solutions available for testing the most common parameters required within the olive oil extraction processes.

The new SpectraAlyzer 2.0 TW OLIVE has a different optical sample interface position than the traditional SpectraAlyzer and allows for more comfortable and easier sample presentation. The samples are placed on the optical sample interface on top of the instrument using special spectroscopy petri dishes for all olive products: olives and olive pomace as well as soil samples and leaves. Several parameters in olive oil can be determined using the transflection stamp accessory.

The NIR method of continuous reference/sample measurement developed by ZEUTEC (double beam system) combining transflectance, transmittance and reflectance measurements is the reason for high sensitivity and long term drift stability of the instrument.

This method provides reliable multicomponent analysis results within seconds for the above mentioned olive and olive related products: olives, olive pomace, soil, leaves and OOEV (Olive Oil Extra Virgin).

There is no need to manually condition the sample or use extra reagents. With the SpectraAlyzer 2.0 OLIVE the olives do not have to be dried or weight prior to analysis which results in a significant increase of speed of the performed analysis.

It covers all your needs in one analytical instrument:

Yield Fat Moisture Acidity

Peroxide

Olive pomace

Fat Moisture Fat/dry base Soils and leaves

Macronutrient Micronutrient Olive oil

Acidity
Peroxide
Vegetable Sterols
Absolute Ester
Cholesterol
Sitosterol
Moisture
Impurities

Versatility

The degree of olive ripeness for optimal harvesting (oil yield), the nutritional status of olive tree leaves and the soil conditions of the olive yard is determined.

Productivity

Classifies the olive in regards to quantity and quality when olives are best to be delivered (yield and acidity) to the mill.



/lodern

The SpectraAlyzer® 2.0 OLIVE is the most modern, fast, complete and simple to use analyser in the olive industry. No external computer is needed to operate the analyzer.

Profitability

The residual oil and moisture content in olive pomace is determined in only 20 seconds.



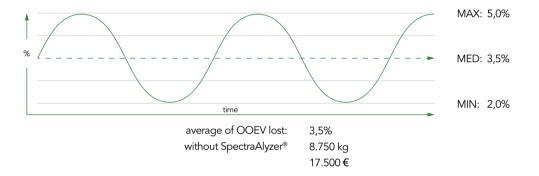
SpectraAlyzer® 2.0 - OLIVE

Economical benefits and amortization

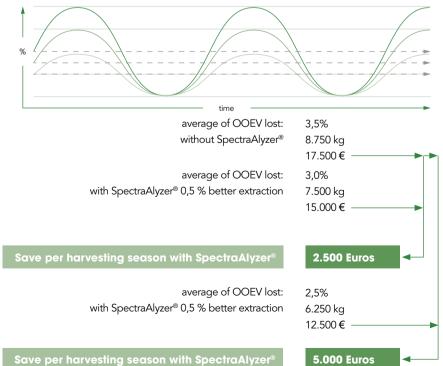
Case study to illustrate increased profitability using the SpectraAlyzer 2.0 OLIVE with the improvement of oil extraction from the olive pomace.

Basic data						
1.000.000			kg ground olives per year			
2.0			Euro/kg OOEV (Olive Oil Extra Virgin)			
25%			Average yield in olives			
2,0%	to	5,0%	OOEV lost in pomace during the extraction			
10.000 € lost (5.000kg)		25.000 € lost (12.500kg)				

Percentage of OOVE lost without the help of an NIR analyzer



Percentage of OOEV lost with the help of a SpectraAlyzer®



MAX:5,0%

MED 3,5%

3,0% - 0,5% better extraction 2,5% - 1,0% better extraction

MIN: 2,0%

Amortization period for the SpectraAlyzer® (PVP: 18.000 Euros)

7,2 Seasons

3,6 Seasons

Technical data



Design

For olive products and olive byproducts

Spectral range 1400 – 2400 nm

Dual beam system, sample / reference measurement

High signal to noise > 10000:1

Large expandable internal memory for calibrations, methods and history results

Auto-diagnostics

Graphical user interface, projected capacitive glass touch panel

Accessories				
Standard calibrations	Included			
Keyboard	Optional accessory			
Barcode reader	Optional accessory			
Printer	Thermal ticket or office type printer optional accessory			
WiFi	Wireless LAN optional accessory			
AWX G2 software	Application worx G2 software package, optional accessory			
Transflection stamp	Sampling cell for oil analysis, optional accessory			

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

Order information				
SpectraAlyzer® 2.0 - OLIVE		110-A100-4		
	SpectraAlyzer® 2.0 - TW OLIVE	110-A100-8		

ZEUTEC Opto-Elektronik GmbH

Kieler Str. 211, D-24768 Rendsburg T (+49) 4331 - 136650 E moreinfo@zeutec.de www.spectraalyzer.com

