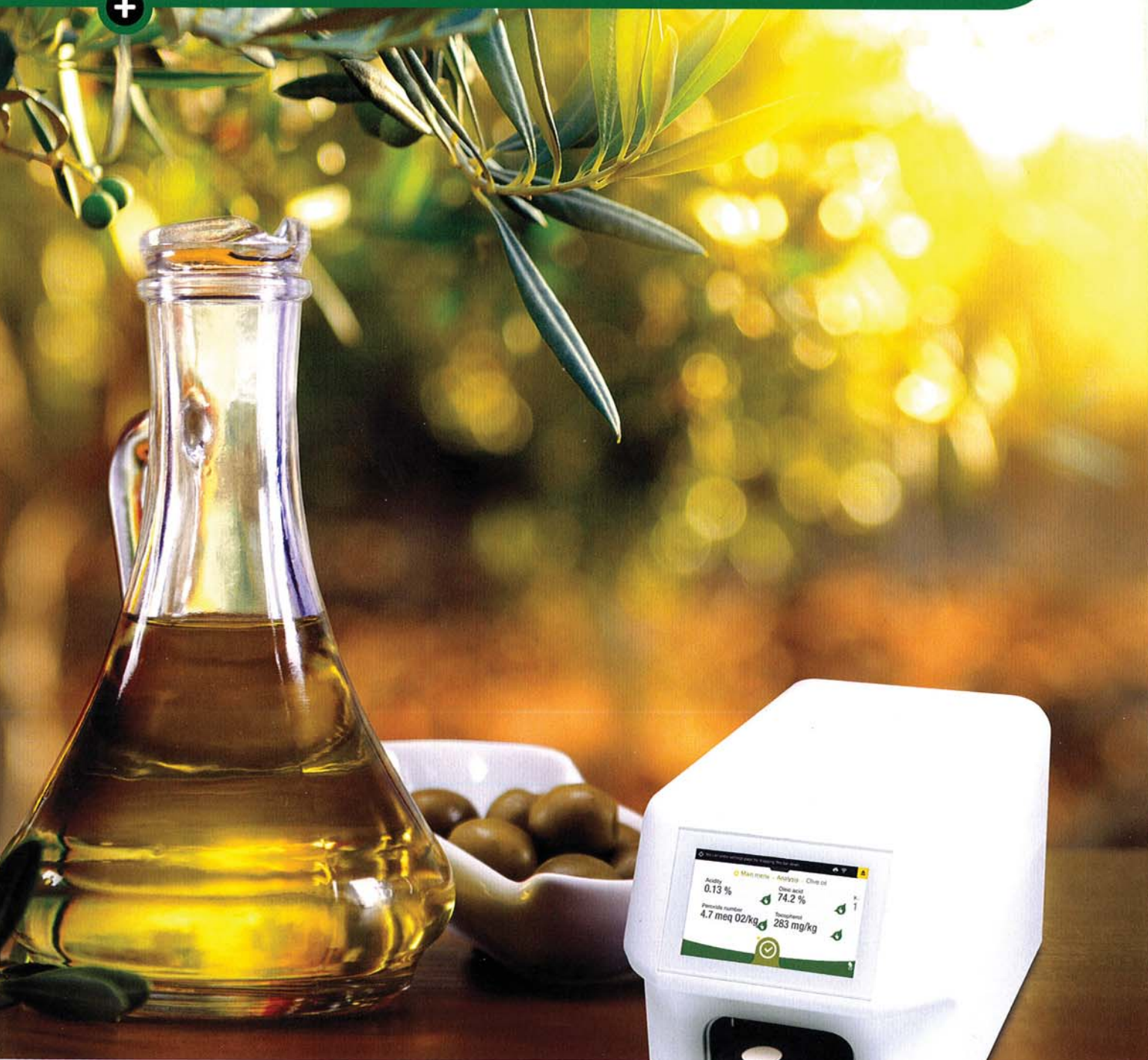


SpectraAnalyzer

OLIVE



ZEUTEC

EN

Advantages

The SpectraAnalyzer 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 SpectraAnalyzer 2.0 TW OLIVE has a different optical sample interface position than the traditional SpectraAnalyzer 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 transfection stamp accessory.

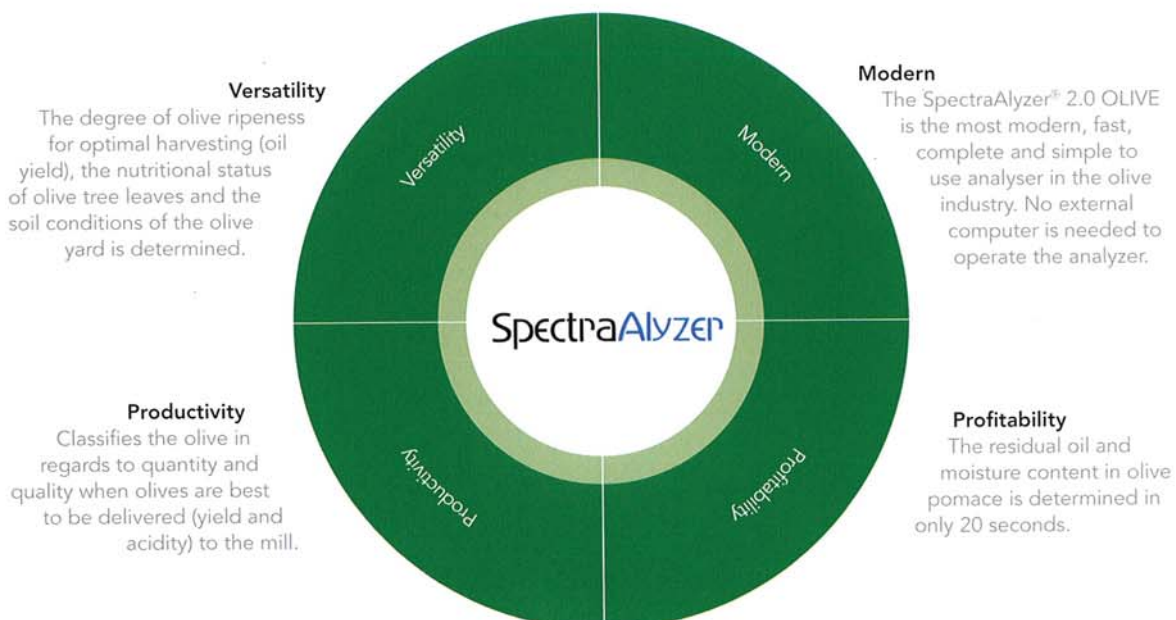
The NIR method of continuous reference/sample measurement developed by ZEUTEC (double beam system) combining transmittance, transmittance and reflectance measurements is the reason for high sensitivity and long term drift stability of the instrument.

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 SpectraAnalyzer 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:

Olive	Olive pomace	Soils and leaves	Olive oil
<ul style="list-style-type: none"> Yield Fat Moisture Acidity Peroxide 	<ul style="list-style-type: none"> Fat Moisture Fat/dry base 	<ul style="list-style-type: none"> Macronutrient Micronutrient 	<ul style="list-style-type: none"> Acidity Peroxide Vegetable Sterols Absolute Ester Cholesterol Sitosterol Moisture Impurities





You can enter settings page by dragging this bar down

Main menu • Analysis • Olive oil

Acidity	0.13 %	Oleic acid	74.2 %	K ₂₃₂	1
Peroxide number	4.7 meq O ₂ /kg	Tocopherol	283 mg/kg		

✓

SpectraAlyzer® 2.0 - TW OLIVE



SpectraAlyzer® 2.0 - OLIVE

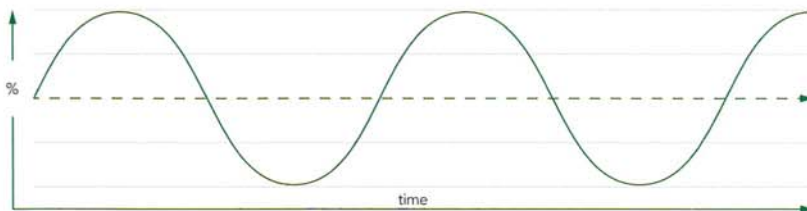


Economical benefits and amortization

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 €	25.000 €		
lost	lost		
(5.000kg)	(12.500kg)		

Percentage of OOVE lost without the help of an NIR analyzer



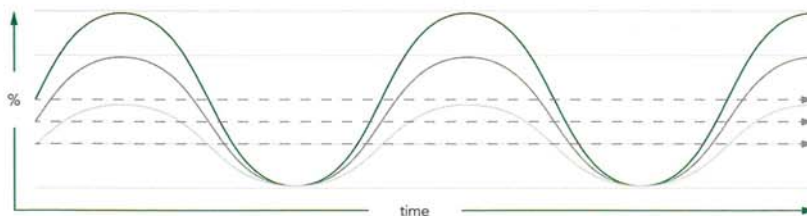
MAX: 5,0%

MED: 3,5%

MIN: 2,0%

average of OOVE lost:
without SpectraAlyzer®
3,5%
8.750 kg
17.500 €

Percentage of OOVE 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%

average of OOVE lost:
without SpectraAlyzer®
3,5%
8.750 kg
17.500 €

average of OOVE lost:
with SpectraAlyzer® 0,5 % better extraction
3,0%
7.500 kg
15.000 €

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

Save per harvesting season with SpectraAlyzer®

2.500 Euros

7,2 Seasons

average of OOVE lost:
with SpectraAlyzer® 0,5 % better extraction
2,5%
6.250 kg
12.500 €

Save per harvesting season with SpectraAlyzer®

5.000 Euros

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 work G2 software package, optional accessory
Transfection 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