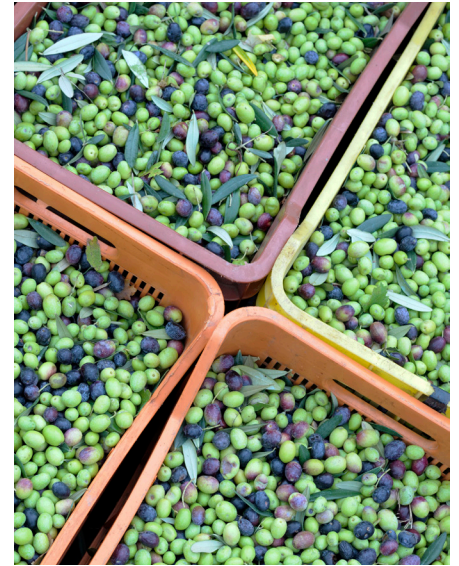


Olivia™ is a robust, simple-to-use and accurate olive analyser that allows small and medium olive processors to make informed decisions about the fat and moisture content of their raw materials. In addition it is a powerful tool for optimising production by controlling the fat and moisture content of the olive pomace.

Sample	Parameters
Olive paste, Olive pomace	Fat and moisture



Quality starts here: with Olivia you can ensure fair payment and give valuable information directly to growers

More knowledge for improved business

Olivia™ is a robust, simple-to-use instrument providing an accurate measurement of fat and moisture of olive paste or pomace within one minute. The analyser is easy to move around and can be placed close to the production line, if needed.

With Olivia by your side you are in a stronger, more informed position to find the best possible olives for milling. You can assess fat content of incoming raw material quickly and print a ticket showing the results. With accurate information available anytime, you can ensure fair payment and give valuable information directly to growers.

During the olive oil production process, Olivia is used to test olive pomace for Fat and Moisture. With this information you can control the production more closely. You can build consistency around your ideal without wasting any valuable oil.



Hard facts are a great complement to experience and judgement

The convenient solution

- Accurate, reliable olive paste and pomace analysis
- On-the-spot Fat and Moisture analysis whenever you want it
- Rapid and easy-to-use, providing results within one minute
- Clean analysis, no costs for chemicals or consumables
- No waste – reuse sample
- Easy start-up, with readymade global ANN calibrations
- No waiting for results from an external laboratory
- Simple touch-screen operation
- Print-out option (printer port)

Team-up with FOSS

For decades, FOSS has helped food and agricultural producers to improve production through rapid routine analysis of key quality parameters with accurate and reliable analytical instruments. Now, the Olivia makes this power available to small to mid-sized operations. With Olivia you will get all you need to begin routine analysis immediately and to carry on testing, trouble-free.



With an intuitive, user-friendly software interface, everyone can undertake the operation. Just select the measuring program and press the start button.



Technology

Reliable routine analysis

Designed with your production in mind, Olivia is built to withstand the olive oil processing environment. Well proven, diode array technology ensures rapid routine measurements of olive paste and pomace, making high quality Fat and Moisture analysis a matter of routine.

The instrument concept and calibrations have been developed in close cooperation with industry partners including recognized quality control authorities. The calibrations supplied with the instrument are based on a comprehensive database of samples, collected over many years and covering a wide range of olive varieties and harvest environments.

Local support

If minor adjustments to the calibration are required for your needs, a local FOSS expert is right with you to fine tune your Olivia instrument.

In addition, a simple diagnostics (check cell) system is provided

that allows you to quickly confirm that your instrument is working correctly. You can also choose to connect your instrument to the internet for remote monitoring and updates from FOSS via the FOSS Mosaic networking software. Mosaic automatically checks and notifies the user, when instrument updates are available for download.

Ease of use for consistent measurements

Because it is so easy to make a reliable measurement, anyone working in the plant can perform high quality analysis and contribute to product consistency.

The sample handling is easy: just grind the olives in a hammer mill with a 3 - 4 mm sieve, fill the cup up and place it in the analyser. And when a test takes 60 seconds with no additional cost, you can test as much as you like until you have all the information you need. Olive pomace can be analysed directly with no further preparation.

Just how easy is it?



1. Place prepared sample in sample holder



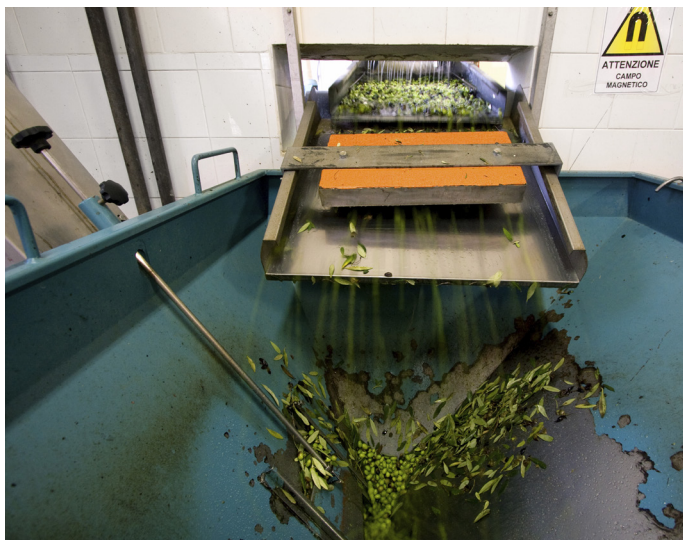
2. Select sample type



3. Press start



4. Await result



Perfect intake within a minute: Check raw material for optimal moisture and fat content and inform growers



Perfect production within a minute: check pomace for moisture and fat content

Affordable quality control

Routine analysis is now within reach for any olive miller.

Olivia:

- Provides a rapid return on investment at different stages of production
- Is easy to finance
- Does not involve any chemicals
- Includes a built-in PC
- Reduces costs associated with external testing
- Is ideal for small to mid-sized operations
- No waste – just put the sample back into your process

Long term economy

Olivia is provided in an affordable package including local support, remote instrument monitoring and calibration. You also get a built-in PC. In short Olivia offers all that you need to start out in reliable economic analysis and to continue in the years ahead.



All you need

The Olivia™ consists of:

- The Olivia instrument
- Calibrations
- Sample cups
- Optional remote surveillance and support by FOSS experts
- Preventative maintenance scheme options
- Simple and quick diagnostics system for monitoring accuracy (check cells)
- Optional sample preparation tool

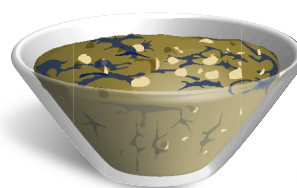
What can it measure?

Olive Paste

Fat
Moisture

Olive Pomace

Fat
Moisture



Technical specifications

Analysis time:	1 minute for 10 sub-samples
Self test:	Approximately 10 minutes at room temperature
Sample weight:	75 g
Measurement mode:	Transmittance
Wavelength range:	850 - 1050 nm
Detector:	Silicon Linear Array
IP Class:	42
Software package:	Mosaic software

Standards and approvals

Olivia™ is CE labeled and complies with the following directives:

- EMC (ElectroMagnetic Compatibility) Directive 2004/108/EC
- LVD (Low Voltage Directive) 2006/95/EC
- Packing and Waste Directive 94/62/EC
- RoHS (Restriction of Hazardous Substances) Directive 2002/95/EC

Installation requirements

Power supply:	100-240 V AC, 100 VA *, 50-60 Hz, Class 1, with protective earth
Ambient temperature:	5 - 35 °C
Storage temperature:	-20 °C to 70 °C
Ambient humidity:	< 93% RH, cyclic up to 100% RH
Weight:	11.4 kg
Dimensions (W × D × H):	230 x 390 x 420 mm
Environment:	Stationary, light industry

PC requirements for Mosaic software

- Windows XP SP3 or Windows 7
- Internet Explorer 7 or 8
- 2 GHz CPU speed (minimum)
- 1 GB RAM
- 4 GB free disk space
- SVGA at 1024*768, min. 16-bit colors. 1280x1024 recommended
- Internet connection
- USB connection (data link between Olivia™ and PC if Olivia is not connected to Internet)

FOSS

FOSS
Foss Allé 1
DK-3400 Hilleroed
Denmark

Tel.: +45 7010 3370
Fax: +45 7010 3371

info@foss.dk
www.foss.dk

