



*Rapid fat and moisture analysis in olive paste and olive pomace.*

## Features & Benefits

- Accurate, reliable olive paste and pomace analysis
- Clean analysis - no chemicals or costs for consumables
- On-the-spot fat and moisture analysis whenever you want it
- Rapid and easy-to-use providing results in one minute
- No waiting for results from an external lab
- Unique internet connection facility ensures that the system is always up to date
- Ready-made global calibration for fat and moisture in olive paste and olive pomace
- Robust instrument design - suited for the olive oil processing environment
- Hard copy of the results - printer required

## Description

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. Measurements are simple to perform and results are delivered in one minute. The analyser is easy to move around and can be placed close to the production line, if needed.

The sample handling is easy: just grind the sample in a hammer mill with 4 - 5 mm sieve, fill the cup up and place it in the analyser. This makes high quality fat and moisture analysis a matter of routine.

Olivia is ready to use with a global fat and moisture ANN calibration based on samples covering different olives varieties and harvests.

## System description

Olivia is based on diode array technology. The instrument can be remotely monitored and updated via Mosaic internet networking software. The software can be installed on a standard office PC. Mosaic will automatically check and notify the user when updates are available for download to the instrument.

## 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 Analytical  
Slangerupgade 69  
DK-3400 Hilleroed  
Denmark

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

info@foss.dk  
www.foss.dk

