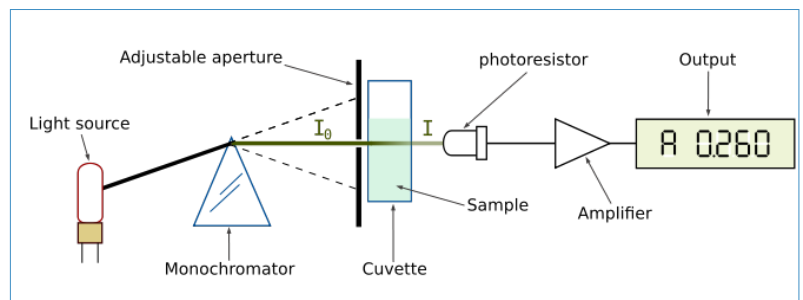


Spectrophotometry by LDS

Spectrophotometry is a reliable and accurate technique to analyze various parameters in musts and wines. We supply the three required sets to carry out these analyses: the main instrument, the testing accessories, and the reagent kits.

Principle

A photometer or spectrophotometer is an instrument that permits the measurement of how much a solution absorbs over a certain range of wavelength. A part of the light that passes through the sample solution is absorbed by the chemical molecules of the sample, and is this amount of light absorbed that the instrument measures.



For the analyses in oenology, we compare the reaction produced by an enzymatic or colorimetric reagent in a white (water), a standard solution, and a sample in order to determine the concentration of the required parameter in the sample. Indeed, this reaction causes a change of color in the sample that is proportional to the concentration of the parameter up to a certain limit. The specific color of the reaction is measured by photometry over a certain range of wavelength.

Devices

Choose among our range of spectrophotometers and photometers. See the list of available parameters for each device on p.2

- **Oeno-module**
 - 1 position for macro or semi-micro cuvette with optical path of 10 mm
 - Absorbance : -0.2 à 3.0 A ; Linearity 1% between 0.2 and 2.5A
 - Wavelength range: 340 nm and 580 nm
 - Dimensions/weight: 11.5 x 6.5 x 5.5 cm / 230 g

Supplied with a software for a Windows PC
Needs to be connected to a computer via USB port (not included)

- **7200 Visible et 7205 UV-Visible spectrophotometers**
 - Modes : absorbance, concentration, kinetics, spectrum analysis in 50 points
 - Equipped with a cuvette position 10x10 mm, and an external cuvette holder
 - Small footprint and lightweight
 - USB ports (communication to a PC and optional printer)

Supplied with : internal memory 1 Go, 1 SD/USB drive 1Go, 100 disposable

plastic cuvettes, user manual, power cable and software on CD-ROM with connection cable.



Oeno-module



7200-7205

Accessories

The analyses can be carried out in macro or semi-micro cuvettes regardless the selected device. The starter kit contains accessories for determination in semi-micro cuvettes: 3 micropipettes (fixed volume) with holder, 1000 x 200 µl tips, 1000 x 1000 µl tips , 100 semi-micro cuvettes with holder 24 positions.

- Starter kit for semi-micro cuvettes
- Micropipettes (fixed or variable volume)
- Disposable tips for micropipettes
- Disposable macro cuvettes
- Disposable semi-micro cuvettes
- Stirrer for cuvettes



Mini-vortex mixer for tubes and cuvettes



Micropipettes on holder

Reagent kits

Each kit contains the reagents and standard solutions to carry out the analysis of a given parameter by photometry. They should be kept in a cool place (2-8°C).

Ref.	Parameter	Number of analysis (macro/semi-micro)	OenoModule	Spectro 7200	Spectro 7205
197826	D-Glucose/D-Fructose	45/130	✓	✓	✓
197820	Acetic acid	45/130	✓	✓	✓
197821	L-malic acid	45/130	✓	✓	✓
197822	L-lactic acid	45/130	✓	✓	✓
197845	Ammonia nitrogen	50/130	✓	✓	✓
197829	Amino- nitrogen	35/130	✓	✓	✓
197846	Glycerol	45/130	✓	✓	✓
197841	Citric acid	45/130	✓	✓	✓
197843	Acetaldehyde	45/130	✓	✓	✓
197827	Total sugars (Sucrose + G/F)	45/130	✓	✓	✓
197824	D-gluconic acid	45/130	✓	✓	✓
197825	D-malic acid	45/130	✓	✓	✓
197823	D-lactic acid	45/130	✓	✓	✓
197847	D-glucose	45/130	✓	✓	✓
197832	Iron	60/130	✓	✓	✓
197833	Copper	50/80	✓	✓	✓
197852	L-ascorbic acid	50/130	✓	✓	✓
197828	Tartaric acid	40/130		✓	✓
197830	Anthocyanins	33/110		✓	✓
-	Sorbic acid	-			✓
-	IPT (DO ₂₈₀)	-			✓



Macro cuvette
Semi-micro cuvette

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