VIVELYS
WINE ECO-ENGINEERING

TECHNICAL DATA SHEET

DECISION-MAKING SOLUTION FOR GRAPE HARVEST DATES

DYOSTEM® Analysis and interpretation

Physiological monitoring of grape ripening
Predictive determination of grape profile

Dimensions & weight

Studio : H 742 x L 546 X W 1531 mm (25 Kg)
Interface : H 434 x L 516 x W 412 mm (15 Kg)

Transport: ISPM15(IPPC) standard wooden case 700 x 700 x 700 mm - 80 kg (full)

Description & components

Studio :
Painted steel cover
Specific LED lighting system
Digital camera
Removable tray for the berries
Door for measurements in closed environment

Interface :
Industrial monitor
15" touch screen

Electric power supply required : 220V 50/60 Hz
Internet connection required : Ethernet cable

Characteristics

- Measurement of the volume's evolution (mL) of berries
- Measurement of the color's evolution of the berries (hue angle - HSL reference)
- Measurement of sample heterogeneity
- Determination of the date of sugar loading stop
- Determination of the potential alcohol degree at sugar loading stop
- Recommendation of harvest dates to obtain a targeted grape profile
- Capacity : 100 to 150 samples per day (1 sample = 200 berries)

Studio & Interface

- Pictures of berries taken by digital camera and analysed by algorithms
- Measurements presented by digital and graphic forms
- Automatic recording & transfer of results toward the on-line app

On-ligne app : www.dyostem.com

- Unique portal combining all datas from Dyostem® and other sources (Brix / Sugar concentration, total acidity, pH, available nitrogen, ..)
- Analysis and interpretations of Dyostem® measurements
- Datas, analysis and interpretations export in Excel format

Guarantee & Installation

- 1 year guarantee
- Installation and commissioning by our teams

Optional services

- Training by our services
- Transfer file for FTIR Foss / Cetim analysis

® Registered trade mark - A product resulting from Vivelys R&D - International patent

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