











350

SEMIAUTOMATIC ANALYZER LED TECHNOLOGY

BioSystems presents the new Y350 semiautomatic analyzer, specifically designed to meet the needs of enologists, while also optimizing reagent consumption and minimizing maintenance.



ENOLOG 

-  LED Technology. The only unit on the market with a complete set of LEDs optimized to cover all wavelengths (range, 280-750 nm) required in the enology laboratory.
-  Minimal reagent consumption.
-  Low maintenance.
-  Specific software for color, TPI (Total Polyphenols Index).
-  Preprogrammed enzymatic and chemical kit methods, validated by the R&D Department.
-  USB port for data export.
-  Battery-operated.
Can be used in grape intake and fieldwork.
-  User-configurable accessory.

TECHNICAL SPECIFICATIONS

OPTICAL SYSTEMS

Range of measurement:
0,2 - 3,5 Absorbance all wavelengths
Wavelengths: 280, 340, 405, 420, 505,
560, 620, 635, 670, 750 nm
Light Source: LEDs
Settings: monochromatic and
bichromatic

THERMOSTAT SYSTEM

Peltier system from 25-40 °C

FLUIDIC SYSTEM

Continuous flow system with peristaltic
pump incorporated
Stepper motor pump operation
Sipping volume can be programmed
from 100 µL to 5 mL
Automatic adjustment of sample
volume
Automatic adjustment of sample
position

PRINTER SCREEN AND KEYBOARD

Thermic printer
Screen: graphic LCD lighted screen
320 x 240 px
Keyboard: tactile membrane

METHODS OF CALCULATION

Absorbance
End Point
Differential Mode
Fixed Time

CALIBRATION

Factor
Calibrator
Calibration Curve

CALIBRATION CURVE

Up to 8 Calibration points
Up to 3 replicates per point

QUALITY CONTROL

2 controls per test
Levey-Jennings control chart
Westgard's Rules

INSTALLATION CHARACTERISTICS

Voltage: 100V-240 V
Frequency: 50/60 Hz
Maximum power: 30 W
Temperature: 10-35 °C
Max Rel humidity: 75 %
Height: <2000 m
Dimensions: 420 x 350 x 216 mm
Weight: 4 kg

ACCESSORIES

Battery Pack
- Capacity 2000 mAh
- Duration: 2 hrs
1 and 10 mm flow quartz cuvette
10 mm flow glass cuvette
1 mm glass cuvette + adapter
10 mm quartz cuvette



DEDICATED REAGENTS

- Acetaldehyde • Acetic Acid • Ammonia
- Calcium-Eno • Citric Acid • Color
- Copper • D-Glucose/D-Fructose
- D-Lactic Acid
- Free Sulfite • Gluconic Acid • Glycerol
- Iron-Eno • L-Lactic Acid • L-Malic Acid
- Primary Amine Nitrogen (PAN)
- Polyphenols • Potassium
- Sucrose/Total Sugar • Tartaric Acid
- Total Sulfite
- Enological (Multiparameter calibrator)
- Wine Control Red and White



SEMI-AUTOMATIC ANALYZER



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SEMI-AUTOMATIC ANALYZER

Wine Analysis Made Easy

BioSystems

REAGENTS & INSTRUMENTS



BioSystems
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- Certified Management System
- EN ISO 9001
- EN ISO 13485