



# Miura One



## ***AUTOMATIC ANALYSER***

Automatic, multi-parameter, selective, random access analyser for the chemical analysis of **wines and musts** with enzymatic, colorimetric and turbidimetric methods.

A revolutionary approach of automation in the field of the oenological analytical control. A perfect combination of quality and profitability. High precision reliable results give access to the most indispensable wine parameters.



*Miura: INNOVATION and MODERNITY ...*

***... FOR ROUTINE AND STAT ANALYSIS***



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## TECHNICAL SPECIFICATIONS

### SPECIFICATIONS:

- √ 120 test/hour.
- √ Rotary dispensing system.
- √ 20 position, refrigerated, reagent compartment (14°C below ambient temperature).
- √ 15 position sample compartment with UNLIMITED reload capability.
- √ Pre- and post- automatic dilution of the standards and the samples.
- √ Sampling arm with capacitive liquid level detection capability and impact sensor.
- √ Processing of urgent (STAT) samples.
- √ Single / dual / triple reagent methods.
- √ Volumes: Reagent 1-450 µl; Sample 1-300 µl.
- √ Diluter with high-precision ceramic piston plunger (no syringe) for the dispensing of reagents and samples (500µl).
- √ Automatic dilution from 1:1 to 1:100.

### OPTICS AND REACTION:

- √ Automatic wash station for used cuvettes.
- √ Cuvettes for reaction development and reading: 80 on-board re-usable cuvettes designed and manufactured by Bionex®.
- √ Sample homogeneity achieved while injecting in the incubation and reading cuvette.
- √ Thermo-controlled incubation and reading compartments: 37°C ± 0.1°C.
- √ Typical reaction volume: 200-260 µl.
- √ 8 available wavelengths in the range 340 to 700 nm + one free position.
- √ Photometric linearity: 0÷3.0 OD.
- √ Light source: long life halogen lamp (2000 hours)

### CONTROL AND COMMAND:

- √ External PC.
- √ Interface: Ethernet (other on request).
- √ Powerful, multilingual software dedicated to oenological analysis. Operating system: Windows®
- √ Saving of calibrations and results.
- √ Saved parameters are fully accessible to the operator.
- √ Bidirectional RS232 output for data up- and download.
- √ Built-in barcode scanner for samples and reagents (on option).

### INSTALLATION:

Dimensions: L80 x H60 x P62 (cm)  
 Weight: ~ 45 kg  
 Power supply: 100-240 V - 47/63 Hz  
 Operating temp.: 18°C - 32°C  
 Relative humidity: 30 à 70%

### AVAILABLE PARAMETERS

Acetaldehyde	Acetic acid	Citric acid
D/L-Lactic acid	L-Malic acid	Glycerol
D-Gluconic acid	Glucose + Fructose	Gluc. + Fruct. + Saccharose
Ammonia nitrogen	Alpha amino nitrogen	Assimilable nitrogen
Tartaric acid	Calcium	Catechins
Copper	Iron	Folin-Ciocalteu index
Total Polyphenols	Colour intensity	Anthocyanins
Free/Total SO <sub>2</sub>	Potassium	Urea



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