TDI

TECNOLOGÍA DIFUSIÓN IBÉRICA, S.L.

Miura 100/150

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

Miura 100/150

TECHNICAL SPECIFICATIONS

SPECIFICATIONS:

- √ 120 tests/hour (220 tests/hour with 2 sampling arms).
- √ Rotary dispensing system.
- √ Refrigerated reagent compartment with 32 positions (14ºC below ambient temperature).
- √ 50-position sample compartment with UNLIMITED reload capability.
- √ Automatic pre- and post- 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 plunger (no syringe) for the dispensing of reagents and samples (500µl).
- √ Automatic dilution from 1:1 to 1:100.
- √ Miura 150 with 2 sampling arms.

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: 37ºC ± 0.1ºC.
- √ 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.
- √ Floor-standing option.

INSTALLATION:

Dimensions:	W 92 x H 59 x D 75 (cm)
Weight:	about 50 kg.
Power supply:	100-240 V - 47/63 Hz.
Operating temp.:	18ºC - 32ºC
Relative humidity:	30 to 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-Ciocalteau index
Total Polyphenols	Colour intensity	Anthocyans
Free SO_2	Total SO_2	Urea

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