



## WINEFLOW

### AUTOMATED MULTIPARAMETRIC ANALYZER FOR OENOLOGY



*WINEFLOW is a completely automatic analyzer that assures high productivity, up to 120 test/hour, at maximum advantage.*

*Samples tray with up to 64 positions for samples, standards and controls. Reagent tray with 27 refrigerated positions to maintain stability of reagents. Level sensor for reagents. Reaction plate with 96 temperature controlled cuvettes. Inclined reading cell to avoid bubbles.*

***Possibility to perform test on up to 13 parameters at the same time.***



The precise analysis of the most important parameters is very important for the production of high quality wines!

#### ANALYSABLE PARAMETERS:



- Acetic Acid
- Acetaldehyde
- Alpha-aminic Nitrogen
- Ammoniacal Nitrogen
- Antocians
- Calcium
- Catechins
- Chloride
- Citric Acid
- Colour
- Copper
- D-Gluconic Acid
- Glucose+Fructose
- Glycerol
- Iron
- L-Lactic Acid
- D-Lactic Acid
- Magnesium
- L-Malic Acid
- Pyruvic Acid
- Potassium
- Tartaric Acid
- Total Poliphenols
- SO2 Total & Free

#### TECHNICAL DETAILS:

**TYPE OF ANALYSIS:** End Point, Kinetic, Fixed time, Bi-chromatic, Bi-reagent and Multistandard

**REACTION PLATE:** 27 positions

**SPEED:** 120 tests/hour – 60 samples/hour

**EMERGENCY MANAGEMENT:** Insert urgent sample at any time during operation

**OPERATING SYSTEM:** Windows XP

**ADVANCED MULTITASK SOFTWARE:** When testing, user can edit the next program

**AUTOZERO:** Automatic zero for all the filters

**REACTION PLATE:** 96 places on incubator

**LANGUAGES:** Italian, English, French, Spanish, Russian, Chinese

**OPTICAL GROUP:** Long life halogen lamp

Precision interferential filters low band  $\pm 2$  nm

340-420-492-505-520-546-578-630-700 nm + 1 free position

Reading accuracy:  $\pm 1\%$

Resolution 0.0001 ABS - Measurement range 0 ÷ 2,5 ABS

**DILUTER:** Precision syringe max. capacity: 1000  $\mu$ l - Accuracy:  $\pm 0,5\%$

Minimum reagent volume usage: 400  $\mu$ l

Incubator temperature: 37°C  $\pm 0,1$ °C

**CALIBRATION:** Multipoint, from 2 to 8 calibrators with automatic pre-dilution

**DIMENSIONS:** 71 x 62 x 36 cm (L x W x H)

**WEIGHT:** 38 kg

**POWER SUPPLY:** 110/220 V - 50/60 Hz