



## ***MEASURE OF THE TARTARIC STABILITY***

Test your wine for yourself, under the most extreme conditions with the maximum accuracy.

**CrioSmart** can estimate the real treatment needs for each wine, reducing drastically the consumption of time and energy.

An ultra compact instrument, faster than any of its homologues, that needs only 20 ml. of sample and with no need of running water.



***ALL PERFORMANCE  
IN A MINIMUM SPACE***





## CrioSmart

### TECHNICAL SPECIFICATIONS

#### Operating Principles:

A condition of extreme stress is created adding to the wine a considerable excess of potassium bitartrate finely powdered in order to overcome the inhibition processes of precipitation, and it is registered in continuous the electric conductivity to different temperatures, with the aim of knowing if at a particular temperature there is any possibility of precipitation. There are two methods available: **Isotherm Test (ISO)**: that allows to know if precipitation will occur at a specific temperature) and the **Test of Stability (TS)**: that allows to estimate the real needs of treatment in cold).

- Total computerization of results.
- Specific software developed for the oenologie.
- Simple and intuitive user interface.
- Ultra compact equipment.

#### CONDUCTIVITY METER:

*Conversion:* D/A at 16 bit.

*Sensitivity:*  $\pm 2\mu\text{S}/\text{cm}$  in the Isotherm Test.

*Measuring range:* 0 to  $4000\mu\text{S}/\text{cm}$ .

#### THERMOMETER:

*Sensitivity:*  $0.01^\circ\text{C}$ .

*Thermal sensor:* Solid State.

*Accuracy:*  $0.1^\circ\text{C}$ .

*Range:*  $-30^\circ\text{C}$  to  $50^\circ\text{C}$ .

#### THERMAL CONTROL:

*Type:* Linear thermal PID control algorithm.

*Conversion:* D/A at 16 bit.

*Oscillation:* Isothermal control  $\pm 0.02^\circ\text{C}$ .

*Control range:*  $-4^\circ\text{C}$  to  $35^\circ\text{C}$ .

#### ANALYSIS CELL:

*Volume:* 20 ml.

*Stirrer:* Magnetic.

*Access:* At the top with cap (easy access).

#### ANALYTIC SPEED:

*Isothermal:* Test at  $0^\circ\text{C}$  in less than 20 min.

*TS:* Complete test in 35 min.

#### INSTALLATION:

*Dimensions* -> L: 17 W: 38.5 H: 20.5 (cm).

*Weight:* 5 kg.

*Power supply:* 220 V, 50 Hz, 100 W.



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