



## **HYDROSTATIC BALANCE MIA2020**

Fully automatic densimeter for determination of Alcoholic Strength by Volume (ASV) on the distillate.

### **FUNCTIONS**

The readout of the Alcoholic Strength by Volume is shown on a large graphic led screen simultaneously with the readout of temperature, density at 20°C and other parameters.

### **TECHNICAL FEATURES**

#### ▪ **Alcoholic strength by volume (ASV)**

Reading range	0,050÷99,980% vol
Readability	0,005% vol
Repeatability	±0,01% vol (between 15° and 25°C)

#### ▪ **Density**

Relative density range	0 5÷2,25 (d20/20)
Readability	0,00001
Repeatability	± 0,00002

#### ▪ **Temperature:**

Type	Thermo probe in platinum Pt 100 1/3 DIN
Readability	0,05°C
Repeatability	±0,05°C (in the range 10÷30°C)

Power tension:	100/240 Vac 50/60Hz
Power consumption:	10VA
Operating temperature:	10÷30°C (suggested 15÷25°C)
Dimensions:	210x370x380 mm (LxDxH)
Net weight:	8,5Kg

Data output:	RS232 I/O
Response time :	6 s
Autocalibration with internal mass:	Yes
Languages:	Italian, English

Standard equipment:	Power supply, 1 hydro repellent floater interchangeable in mass and volume, Accredia RMP certified hydroalcoholic solution, double wall cylinder.
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On request: Floaters with certificate, Accredia (Italian Accreditation Body) Certified Reference Material Hydroalcoholic solutions (5÷60%ASV)

### **INTERCHANGEABLE FLOATERS IN MASS AND VOLUME**

A special care is devoted to the construction and calibration of the floaters.

They are all interchangeable in mass and volume to simplify their use; for example, it is possible to use two different floaters to determine the relative density of a must or a wine; so that sample pollution is avoided.

In order to achieve what mentioned before, the suspension wire realized with a non-magnetic and stainless material, with a diameter less or equal to 0.20 mm. and the superficial treatment of the floater's glass were object of thorough studies to nullify the problems caused by the surface tension, by the wire's own volume, and by the electrostatic charges.

*Subject to technical changes without notice.*

*All our instruments are to be used exclusively for scientific purpose and/or for internal control only. They must not be used in environments with danger of explosions.*

*The use of our balances is forbidden in the cases provided by art. 1, point 2, letter a) of directive 2014/31/UE except for those models approved with CE mark (legal metrology).*

*Electronic balances are sensible to the variation of the acceleration of gravity. They must be calibrated on the working site (2014/31/UE).*

*All our instruments comply with directive 2014/30 UE (electromagnetic compatibility)*