

## 1 Density meter, model ALM-155, Kem

High precision oscillating capillary density meter, for the density analysis in wines and musts on samples "as it is" and for alcohol, after sample distillation.

### High precision and reliability

The fifth decimal resolution for density and the centesimal one for alcohol, together with Peltier thermostating to ensure the data exactly refers to 20.0 °C, make the instrument suitable to satisfy what is required by official methods.

The illuminated cell, visible from a special window, allows you to view the presence of any bubbles.

### Very user-friendly, fast and easy to clean

The analysis starts by simply pressing a button: the instrument will load the sample into the measuring cell via a peristaltic pump & the analytical data will be obtained on average after only two minutes!

For the cleaning at the end of the day, simply suck up water using the peristaltic pump.

### Calibration with air and water

The quintessential standard for oscillating capillary density meters is distilled water.

To calibrate the ALM-155, simply suck in bi-distilled water in the cell after selecting the "calibration" option: the instrument will be perfectly aligned in a few minutes.

### Technical features:

Alcohol measuring range:	0.00 ~ 100.00%
Resolution:	0.01%
Density measuring range:	0.69937 ~ 1.24887 g/cm <sup>3</sup>
Specific gravity range (20/20):	0.70000 ~ 1.25000
Resolution:	0.00001 g/cm <sup>3</sup>
Brix:	0.0 ~ 50.0/Res. 0.02
Babo:	0.0 ~ 45.0/Res. 0.02
Baumé:	0.0 ~ 25.0/Res. 0.01
Alcohol tables:	OIML (vol%/wt%)/AOAC/HMCE/G225 (a 20°) AOAC/NIST (a 60°F)
Thermostating temperature:	20 °C/60 °F
Sample volume needed:	Approx 8 ml (cell volume 2 ml)
Display:	LCD, backlit
Interfaces:	1) Personal Computer (PC) 2) Printer 3) USB flash
Power:	AC 100 ~ 240 V; 50/60 Hz

Description	PK	Cat. No.
ALM-155, Kem	1	ALM-155
Sampler model HT1552U, HTA	1	HT1552U

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## 2 Portable density meter DA130 N, Kem

For density measurement (based on the oscillating capillary principle) and its related parameters (Alcohol 20 °C, API tables A/B/D, Salinity, H<sub>2</sub>SO<sub>4</sub>, Plato, Brix, and others).

Settable concentration tables are available.

The user can define and store 10 temperature coefficients for automatic compensation.

### Technical features:

Measuring range:	0.0000 ~ 2.0000 g/cm <sup>3</sup>
Resolution:	0.0001 g/cm <sup>3</sup>
Accuracy:	±0.001 g/cm <sup>3</sup>
Temperature range:	0 ~ 40 °C
Calibration:	with distilled water
Memory:	1100 samples
Data storage:	to PC through IR outlet
Power supply:	2 batteries AAA

Description	PK	Cat. No.
Portable density meter	1	DA130N

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## 3 Alcolometri e mostimetri

Description	PK	Cat. No.
Tralles alcoholometer, range 0 - 100%, with thermometer	1	K71502
Tralles alcoholometer, range 0 - 100%, without thermometer	1	X71111
"Official" alcoholometer, range 0/45°, div. 1/2°, with thermometer	1	X71212
"Official" alcoholometer, range 45/75°, div. 1/2°, with thermometer	1	X71213
"Official" alcoholometer, range 75/100°, with thermometer	1	X71214
"Official" alcoholometer 3pcs, ranges: 0-45° / 45-75° / 75-100°, with thermometer	1	X71215
BABO mostimeter, range 0-35°, without thermometer	1	K71501
BABO mostimeter, range 0-36°, with thermometer	1	K71500
Glass cylinder, diam. 34x550 h, with foot	1	X71198
Glass cylinder, diam. 40x450 h, with foot	1	X71199
Cylinder for "Prof" alcoholometer, diam. 33x453 h, with foot	1	X71196
PP cylinder, 500 ml, diam. 50x350 h	1	9004900

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Cylinder



## 1 M5 - ALCOWEIGHT, hydrostatic balance

System for detection of alcoholic volumetric title and dry extract, and for evaluation of musts in accordance with OIV method and according to Regulations 2870/2000 and 128/2004.

The large Touch-Screen display allows the selection of parameters to be analyzed.

Automatic calibration programmed with internal motor weight.

Possibility of verification and calibration with DKD certified masses

Relative density range from 0.00 to 2.30 g/cm<sup>3</sup>

Reading precision D = 0.00001

Accuracy: 0.00005

Repeatability: ±0.00005

Temperature compensation: 10-30 °C

Thermocouple: Pt100 1/3 DIN - Sensitivity: 0.01 °C

Accuracy and repeatability: ±0.05 °C

Reading: 0.1 °C

Recommended environment conditions between 10 and 30 °C.

THE BALANCE INCLUDES AN INTERNAL SOFTWARE to manage:

- Volume alcoholic title: 0-100% V/V
- Density reading at 20 °C
- Readability: 0.01% V/V
- Accuracy and repeatability: 0.02% V/V
- Total dry extract from 0.0 to 505.8 gr/l
- Evaluation of musts in: Baumè, Babo, Volumetric mass, theoretic alcohol.
- Data storage via USB

THE SOFTWARE also allows:

- Correction of the float's volume in distilled water and in known solutions
- Calibration and zero
- Update of time, minutes, date, etc...
- Print of reading data
- Customized users creation

THE SUPPLY includes:

- N. 2 x 20 ml floaters (code F11315)
- N. 2 x double-walled glass cylinders (code F11313)
- USB data output RS232
- Instruction manual

OPTIONAL ACCESSORIES:

- RS232 printer

External dimensions: 20x36x48 (h) cm - Weight: 5 Kg

Power: 220 V - 50 Hz

Power consumption: 12 VA

"CE" marked

Description	PK	Cat. No.
M5 - Alcoweight	1	A1460

## Accessories and spares for M5

(suitable also for the former model Alcoweight II)

Description	PK	Cat. No.
Double wall cylinder	1	F11313
Calibrated floater	1	X10093
PT100 probe	1	F11324
Thermal printer model PLUS-SA	1	A11508