

DIGITAL TENSIO METER

Mod. DCA400

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- Display of surface tension value expressed in mN/m (dyne/cm) measured with the Wilhelmy method
- Precision: ± 0.02 mN/m (dyne/cm)
- Capacity: 1-1000 mN/m resolution 0.01 mN/m
- Max capacity: 110 g
- Autocalibration with internal mass
- Contact angle 0-180 degrees
- Dimensions: 210x370x380
- Weight: 8Kg.

EQUIPMENT

- Glass plates (dimensions 24x24x0.15 mm)
- Suspended system for the arrangement of glass plate
- Glass container for liquid sample
- manual adjustable lab jack

Software with the following performances:

contemporaneous display on PC:

- force changes during the measurements
- past time
- surface tension value

data recording (useful for other elaborations)

changing value of perimeter plate (if different from the standard)

Automatic jack with programmable speed (from 21 to 1000 $\mu\text{m/s}$)

ACCESSORIES INCLUDED

Platinum Wilhelmy plate

Platinum Du Nouy ring

Floater calibrated in weight and in volume and double wall cylinder for density measurement:

- range of measure for the density: $0.5 \div 2.25$ g/cm³
- readability: 0.00005 g/cm³
- precision and reproducibility: ± 0.00005 g/cm³

TECHNICAL CHARACTERISTICS

Power supply 100/240 VAC by external power supply, 502 Hz

Consumption: 10 VA

Specific container for sample thermostatisation

Special plate for metrological control

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 2004/108 UE (electromagnetic compatibility)

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