

Single-sample osmometer – Cryobasic 1

Automatic osmometer for the quick and accurate analysis of osmolality in biological and pharmaceutical liquids or any other solutions, based on the cryoscopic point determination. The automatic reading and interpretation of the results occur when the sample temperature plateau is reached, according to all the international references.

Technical features:

- ✦ Capacity: single sample
- ✦ Visualization of the osmolality value and the freezing point
- ✦ Cooling system with electronically controlled Peltier cells
- ✦ Automatic renewal of the cooling liquid by means of continuous recirculations
- ✦ Forced ventilation
- ✦ Working room temperature: from +5°C to +36°C
- ✦ Automatic calibration
- ✦ RS232 data exit – Optional thermal printer
- ✦ Software-piloted agitation and whip stroke
- ✦ Results in mOsm and °C
- ✦ Sample volume: from 30 (suggested: 50) to 200 µl (with disposable plastic tubes)
- ✦ Analysis time: about 2-3 minutes
- ✦ Instrument pre-heating time: 5 minutes
- ✦ Measurement range: from 0 to 3.000 mOsm/Kg
- ✦ Resolution: 1 mOsm/Kg
- ✦ Repeatability and reproducibility: $\pm 2,5$ mOsm/Kg (< 600 mOsm/Kg) or $\pm 0,5\%$ (> 600 mOsm/Kg)
- ✦ Dimensions and weight: 28x43x36 cm (wxdxh) with lowered head - 18,5 Kg.
- ✦ Power supply: 110/220 V – 50/60 Hz – 100 W



Code no. 68399	Single-sample osmometer - Cryobasic 1
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Accessories:

Code no. 63225	Check standard, 324 mOsm, 250 ml
Code no. STD2101	Calibration standard, 100 mOsm, 125 ml
Code no. STD2109	Calibration standard, 900 mOsm, 125 ml
Code no. STD2120	Calibration standard, 2.000 mOsm, 125 ml
Code no. STD2125	Calibration standard, 2.500 mOsm, 125 ml
Code no. STD2130	Calibration standard, 3.000 mOsm, 125 ml
Code no. 67210	Cooling liquid, 1 liter
Code no. 67200	Cooling liquid, 250 ml
Code no. 2030N	Disposable sample tubes, volume from 30 µl, 500 pieces
Code no. 563	100-place sample tubes holder, in plastic, for plastic tubes
Code no. EP-50	EP-50 thermal printer
Code no. 67219	Thermal paper roll for EP-50 printer
Code no. 9042401009	Automatic micropipette, 10 – 100 µl adjustable volume
Code no. 9042401322	Automatic micropipette, 100 – 1.000 µl adjustable volume
Code no. 37460	Yellow disposable tips, 1.000 pieces
Code no. 37465	Blue disposable tips, 1.000 pieces

