



OSM-1, Osmometer

OSM-1 is a single-sample semiautomatic osmometer for the rapid determination of the cryoscopic point variation (osmolality) in biological & pharmaceutical liquid samples.

Features:

- Sample capacity: single sample
- Bath with Peltier cells controlled by software, with no cooling liquid
- Induced ventilation
- Automatic calibration
- Lash & agitation width adjustment controlled by software
- Results in mOsm/Kg units and °C.

| Model | OSM-1 |
|---------------------------------|--|
| Operating ambient temperature | +5°C to 36°C |
| Sample volume | 50 to 200 μ l (with disposable plastic tubes) |
| Analysis duration | About 3 minutes/test |
| Warm up time | About 5 minutes |
| Measurement range | 0 to 1500 mOsm |
| Resolution | 1 mOsm/Kg |
| Repeatability & reproducibility | ± 2 mOsm (from 0 to 600 mOsm) or $\pm 0.5\%$ (from 600 to 1500 mOsm) |
| Power supply | 110/220 V, 50/60 Hz, 100W |
| Dimensions | 285x380x450 mm (wxdxh – with head up) |
| Net weight | about 10 Kg |