

Single-sample osmometer – OsmoTouch 1

OsmoTouch 1 is a single-sample automatic osmometer for the rapid determination of the cryoscopic point variation (*osmolality*) in biological fluids, pharmaceutical samples and other solutions.

This next generation osmometer includes a lot of useful features that the most recent technology allows: a full colour 7" touchscreen display, real-time visualization of the freezing curve, stable memory for more than 4,000 results, a PC software for data handling, a USB port for downloading all data to a pen drive and much more. In particular, all OsmoTouch model are designed with characteristics in compliance with FDA norm 21 CFR Part 11, such as the set up of two different password levels, results including date, hour and username, without any possibility to modify them.

Compact and sturdy, OsmoTouch 1 can work with room temperatures up to 36°C. It is perfect for pharmaceutical/cosmetic/homeopathic applications and for uses in hospitals and R&D laboratories. Excellent for analysis of semiviscous samples.



Technical features:

- ✦ Capacity: single sample
- ✦ Full colour 7" touchscreen display
- ✦ Real-time graph of the sample temperature during each analysis
- ✦ An alphanumeric ID code can be added to each sample, easily
- ✦ Optional barcode reader for a quick sample identification (*with an additional RS232 port to be requested when ordering*)
- ✦ Results shown in different colours for a quick identification of anomalies or critical values
- ✦ Features in compliance with the FDA norm 21 CFR Part 11: set up of two different password levels (*administrator and user*), results with date, hour and username (*electronic signature*) and unmodifiable results to avoid any fraud
- ✦ Stable memory for 3 different calibration curves based on the favorite analytical ranges
- ✦ Stable memory for up to 4,000 results
- ✦ Easy download of test results to a USB pen drive
- ✦ Real time PC monitoring or quick download of test results to a PC with CryoSoft Touch data handling software
- ✦ Immediate visualization of error messages
- ✦ Bath with Peltier cells controlled by software
- ✦ Operating ambient temperature: +5°C to 36°C
- ✦ Automatic calibration
- ✦ Lash and agitation width controlled by software
- ✦ Sample volume: from 50 to 200 µL
- ✦ Test duration: about 2-3 minutes/sample (*from 0 to 900 mOsm/Kg*)
- ✦ Warm-up time of the equipment: about 5 minutes
- ✦ Analytical range: from 0 to 3,000 mOsm/Kg - Resolution: 1 mOsm/Kg
- ✦ Repeatability and reproducibility: ±2.5 mOsm/Kg (*from 0 to 600 mOsm/Kg*) or ±0.5% of the value (*from 600 to 3,000 mOsm/Kg*)
- ✦ USB port for data downloading to a pen drive
- ✦ 2 x RS232 ports for connecting an optional thermal printer and a PC
- ✦ An additional RS232 port can be added for connecting an optional barcode reader, upon request
- ✦ Dimensions and weight: 285x485x360 mm (*wxdxh, with head down*) - 16.1 Kg
- ✦ Power supply: 110/220 V - 50/60 Hz - max. 150 W

Code no. 68499 Single-sample osmometer - OsmoTouch 1

Accessories:

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| Code no. 63225/OSM | Check standard, 323 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 |

