



## Multifunctional thermocycler

LTC100 is a thermocycler designed to simulate the temperature changes to which the dental materials are subjected in the oral cavity.

The equipment is provided with two large thermostated tanks and one mobile wire basket which dips the samples in one tank and the other alternatively. The cycle execution can be accurately tuned through the graphic software designed for Windows XP platform.

A simulation cycle is built as a sequence of one or more profiles, each one can be repeated once or more. A profile defines all the conditions in which the thermal changes occurs. The profile sets up the tanks temperatures, the immersion and emersion speed of the sample, the time in which the basket stays in each tank and in air for drying before being dipped in the next tank.

The temperature of each tank can be freely set from 5°C to 70°C while the repetition functions and timing excursion allow to execute simulations which last from few seconds to entire weeks.

A sophisticated diagnostics constantly informs the user about the machine operating status.

An exclusive automatic tanks covering system reduces the liquid evaporation while working, and furthermore, the liquid level in the tanks is automatically maintained constant thanks to the liquid level sensors and to the reservoir tank.

The installation is simple and immediate. To work the LTC100 needs only to be connected to the main supply and to the PC by the USB port.



- ✓ Compact unit
- ✓ Automatic tanks covering system
- ✓ Automatic refilling
- ✓ The temperature of each tank can be freely set from 5°C to 70°C.
- ✓ Shaking function available
- ✓ Adjustable immersion and emersion speed from 1 to 50mm/s
- ✓ Adjustable time of the basket in each tank from 0 to 9999 seconds
- ✓ Unlimited number of cycles (according to the PC capability)
- ✓ Up to 30 different profiles per cycle
- ✓ Profile repetition from 1 to 9999
- ✓ Accurate diagnostics
- ✓ Easy to be used through the graphic software designed for Windows XP platform

