

**LE-250B,
Medicine Stability Testing Chamber MT**


LE-250B


Air duct structure

It applies circular airflow design concept & forced convection simulated air circulation principle. The large power air circulating blades designed specially can produce higher air flow rate & guarantee high even and stable inner bag temperature and humidity. The humidity can be precisely

controlled within the range of 20% to 98% to realize high effective and stable test effect.


Touch screen

Super large touch screen. intelligent operating system and 32-digit processor are equipped to simplify the operation and to be more humanized.


High precise electronic temperature sensor

It is used for absolute precise humidity measurement. The humidifying and dehumidifying system is control led electronically. ROTRONIC electronic humid. sensor can

guarantee the reliability of humidity inspection even if the samples are changed frequently. The sensor does not require maintenance.


Innovative refrigerating system

International famous brand refrigerant compressor and Germany EBM condenser applying 134a refrigerant and featuring fluorine free, environmental protection, precision and high efficiency are applied.


Illumination effect

One-side illumination concept is applied to better conduct authentic and real-time light stability test on active substance.


Test hole

One test hole with the diameter of 45mm made with special mould is arranged on the left & right of the incubator respectively for observation. Internal silica gel soft plugs are provided to make sure the

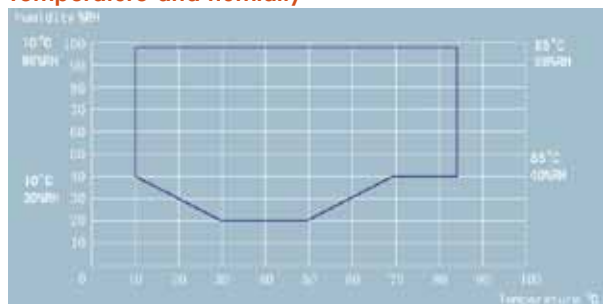
temperature and humidity inside the incubator are not affected during the test.


RS232 interface

It is a special interface for PC. One software CD (suitable for simplified Chinese WINDOWS2000 or simplified Chinese WINDOWS XP operating system) is attached. Test program is written,

monitored & saved with special PC software. Test data is directly displayed and printed with special PC software.

Temperature and humidity



Features:

- The incubator is made with imported NC machine tool and laser processing technology. The outside incubator body applies high quality cold rolling plate, which is strongly resistant to rusting. The inner bag applies SUS304 stainless plate.
- The incubator bottom truckle is imported from Japan. Its direction is adjustable and it can be locked. The outside incubator body is sprayed with American Dupont powder.
- One test hole with the diameter of 45mm made with special mould is arranged on the left and right of the incubator respectively for observation. Two silica gel soft plugs are provided inside.
- The heat insulating material of incubator applies Germany Bayer freon-free polyurethane one-time foaming technology to improve the insulating property and reduce energy consumption. It can

save over 30% energy in comparison with similar products. The overall strength of incubator is good.

- Rational air duct structure; balance type control method; imported special electric motor and blade are applied to make temperature and humidity distribution even and greatly improve test precision and evenness of temperature and humidity.
- International famous brand refrigerant compressor and Germany EBM condenser applying 134a refrigerant and featuring fluorine free, environmental protection are applied and conform to the world trends.
- Super large touch screen, intelligent operating system and 32-digit processor are equipped to simplify the operation and programming.
- Programmed temperature and humidity control; micro-computer fuzzy control PID control; temperature priority and time priority; optional for the user.
- Temperature sensor PT100 applies Honeywell product. The humidity sensor applies Swiss Rotronic capacitive sensor.
- Over-temperature protection, creepage protection, door open alarm, current failure alarm and sensor alarm functions are provided to improve the safety. Meanwhile, automatic start, stop, timed operation, clock display and self recover after energization are provided.
- R-232 communication interface, USB storage, GRPS remote control alarm functions are provided.
- Automatic defrosting and manual defrosting functions are provided for long term test to solve the problem of temperature and humidity drifting.

Model	LE-250B
Convection method	Compulsory convection method
Control method	Balance type
Temperature range	No illumination -15°C ~ +85°C With illumination 10°C ~ +85°C
Humidity control scope	20 ~ 98%
Temperature resolution	0.1°C
Temperature fluctuation	±0.1°C
Temperature evenness	±1.0°C (65°C)
Humidity fluctuation	Within ± 1.5% (65°C)
Working room temperature	5°C ~ 35°C
Illumination intensity	0-6000LX adjustable
Illumination error	≤ ±300LX
Insulating material	Overall foaming of polyurethane
Programmed control	Fuzzy logistic PID control method common operating mode/programmed operating mode
Overall dimension(mm)	W765 x D733 x H1490
Inner dimension (mm)	W640 x D400 x H890
Weight	About 137KG
Effective volume	250L
Total power of heating and humidifying	2000W
Refrigerating power- refrigerant	270W,R134a
Water supply volume	Inside: 10L Outside: 25L
Power voltage	AC-220V 50/60Hz
Tray (standard configuration)	Three layers