

Climatic Chambers CH-150, CH-250, Phoenix Instrument



WWSB5045

PHOENIX
Instrument

The climatic chambers are the ideal instrument to do stability and aging test on materials, simulation of environmental conditions and stress test in several fields such as: industry, food, textile, packaging, rubber/plastics, etc. Thanks to the digital control by PID regulator of the temperature and of the humidity percentage, it's possible simulate many environmental situations and use of materials, and moreover test the forced aging effects. The external steel door is equipped of a wide glass window that permits the observation of the materials during test. The stainless steel chamber with rounded corners, the shelves and their fixing system completely removable, make the chamber perfectly cleanable. A LED inner lamp for observation of the samples is included. The standard supplied side through hole of 25 mm diameter allows to install probes inside the chamber. Digital backlit alpha-numeric LCD screen. Digital timer, clock and date for GLP functions. Standard supplied mini printer for operating and set parameters output. Safety class 3.1 with double digital limiter of temperature and additional fluid expansion limiter.

Technical data:	CH-150	CH-250
Usable volume:	150 litres	250 litres
Temperature range:	10 – 85°C (without humidity) +10 – 70°C (with humidity)	-10 – 85°C (without humidity) +10 – 70°C (with humidity)
Temperature resolution:	±0.1°C	0.1°C
Temperature homogeneity in the chamber:	± 0.5°C (without humidity) ± 1.5°C (10 ÷ 70°C / 45 ÷ 95% RH)	± 0.5°C (without humidity) ± 1.5°C (10 ÷ 70°C / 45 ÷ 95% RH)
Temperature variation on a point:	± 0.2°C (without humidity) ± 0.5°C (10 ÷ 70°C / 45 ÷ 95% RH)	± 0.2°C (without humidity) ± 0.5°C (10 ÷ 70°C / 45 ÷ 95% RH)
Humidity range:	45% – 95%	45% – 95%
Humidity variation on a point:	≤ 2% RH (10 ÷ 70°C / 45 ÷ 95% RH)	≤ 2% RH (10 ÷ 70°C / 45 ÷ 95% RH)
Timer/programs:	continuous mode/program 1–100 steps	continuous mode/program 1–100 steps
Safety class:	3.1	3.1
Voltage/power:	230 V / 2200 W	230 V / 2200 W
Internal dimensions:	550 × 670 × 405 mm	600 × 830 × 500 mm
Number of shelves (standard/max.):	3/10	3/12
Useful min. distance between shelves:	45 mm	45 mm
Max. load of self:	10 kg	10 kg
External dimensions (W×H×D):	690 × 1520 × 790 mm	740 × 1680 × 885 mm
External water tank dimensions (W×H×D):	370 × 340 × 560 mm	370 × 340 × 560 mm
Weight:	145 kg	185 kg

①

②

Article	Order No.
① Climatic chamber CH-150	10 13 71500
② Climatic chamber CH-250	10 13 72500

