

LAB1ST Natural Convection Oven is a high-performance heating solution designed for desiccation, torrefaction, wax melting, and sterilization applications in mining, laboratories, and scientific research institutes. Equipped with an advanced LED microprocessor controller and timing function, it ensures precise temperature control and operational safety.

Features

- > **Durable Construction:** Made of 304 stainless steel with mirror polishing for easy cleaning and corrosion resistance.
- > **Quiet Operation:** Natural convection heating ensures low-noise performance ideal for lab environments.
- > **Precise Control:** PID controller with $\pm 0.5^{\circ}\text{C}$ temperature stability and intuitive timing function.
- > **Safety Assurance:** Independent over-temperature alarm system protects samples and equipment.
- > **Data Connectivity:** Optional RS485 connector enables computer connectivity for real-time data monitoring and recording.



Model	NCO-30A	NCO-50A	NCO-90A	NCO-140A	NCO-200A
Electrical Requirement	AC220V 50HZ				
Temperature Range	RT+10 ~ 200°C [RT+50 to 392°F]				
Display Resolution	0.1°C [0.18°F]				
Temperature Stability	$\pm 0.5^{\circ}\text{C}$ [$\pm 0.9^{\circ}\text{F}$]				
Ambient Temperature	+5 ~ 35°C [+41 to 95°F]				
Power Consumption	850 W	1000 W	1400 W	2000 W	2200 W
Chamber Volume	27 L	54 L	96 L	140 L	200 L
Interior Dimension (W×D×H) mm	320×300×355	400×330×415	450×430×505	520×500×575	570×560×640
Exterior Dimension (W×D×H) mm	460×520×660	540×550×720	590×650×810	660×720×880	710×780×945
Shelves	2 pcs	2 pcs	2 pcs	3 pcs	3 pcs

Options



NCO-RS485

RS485 interface and communication software



NCO-Printer

Embedded printer



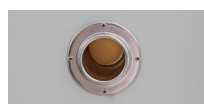
NCO-DataExport

USB data storage and export



NCO-ProgramCtrl

Multi-segment programmable LCD temperature controller



NCO-Upgrade-1

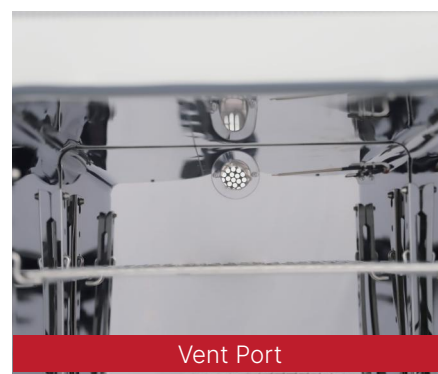
Test hole (Φ25mm or Φ50mm) for external probes or cabling



Adjustable Shelf



PID Controller



Vent Port