Forced Convection Oven
250°C │ Uniformity ±2.5%

LAB1ST FCO250-Pro Precision Forced Convection Oven ensures outstanding thermal uniformity (±2.5%) through advanced multi-segment programming and a polished stainless steel chamber with radiused corners for effortless maintenance. Equipped with an independent over-temperature protection system featuring audible and visual alarms, along with a standard 25mm test port, it guarantees safety and precision for critical laboratory applications requiring exact temperature control.

Features

> **Polished Mirror-Finish Stainless Steel Chamber** with smooth semi-circular corners for easy cleaning. Shelves are freely adjustable and removable for flexible workspace organization.

> **Multi-Segment Programmable Controller** with intuitive menu-driven interface for simplified operation of complex experimental protocols.

> **Programmable controller** supports up to 7 groups (63 segments total) with timer settings from 0 to 5999 minutes per segment, adjustable fan speed, and pre-set start/stop time and heating rate capabilities.

> **Independent Over-Temperature Protection System** with audible and visual alarms for enhanced safety.

> **Standard 25mm Test Port** on the left side for convenient sensor insertion and wiring.

> **Highly Accurate and Reliable Temperature Control** with excellent uniformity (±2.5% at 100°C).

> **User-Friendly Design:**
  • Large LCD screen displays multiple parameters simultaneously.
  • Self-diagnostic function detects and displays fault messages for quick troubleshooting.

Options

	FCO-RS485
	RS485 interface and communication software

	FCO-Printer
	Embedded printer

	FCO-DataExport
	USB data storage and export

Specification

Model	FCO250-40L-Pro	FCO250-80L-Pro	FCO250-150L-Pro
Electrical Requirement	220V 50HZ		
Controller	Programmable LCD display		
Power Consumption	850 W	1100 W	1550 W
Temperature Range	RT+10~250°C		
Display Resolution	0.1°C		
Temperature Stability	±1°C		
Temperature Uniformity	±2.5%（@100°C)		
Shelves	2 pcs	2 pcs	3 pcs
Interior Dimension(W×D×H)mm	350×300×400	400×320×550	500×380×750
Exterior Dimension(W×D×H)mm	505×655×600	550×660×750	655×715×980
Chamber Volume	40 L	80 L	150 L
Timing Range	0~5999min		

Model	FCO250-250L-Pro	FCO250-400L-Pro
Electrical Requirement	220V 50HZ	
Controller	Programmable LCD display	
Power Consumption	2050 W	3000 W
Temperature Range	RT+10~250°C	
Display Resolution	0.1°C	
Temperature Stability	±1°C	
Temperature Uniformity	±2.5%（@100°C)	
Shelves	3 pcs	3 pcs
Interior Dimension(W×D×H)mm	600×450×900	1000×510×800
Exterior Dimension(W×D×H)mm	755×785×1130	1140×850×1080
Chamber Volume	250 L	400 L
Timing Range	0~5999min	
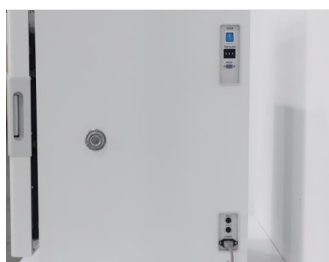
| 25mm Test Hole | LCD Display | Damper Regulator | Adjustable Sshelf |