

Forced Convection Oven

250°C | Uniformity $\pm 2.5\%$

LAB1ST FCO250-Pro Precision Forced Convection Oven ensures outstanding thermal uniformity ($\pm 2.5\%$) 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

> Advanced Control & Programmability

- Highly accurate and reliable temperature control with excellent uniformity ($\pm 2.5\%$ at 100°C).
- Multi-segment programmable controller enables complex drying tests with rapid heating, allowing users to set both time and ramp rates.
- Flexible programmability supports 7 groups of 63 steps total, with each group containing up to 9 steps and programmable durations from 0 to 5999 minutes.

> User-Centric Design & Operation

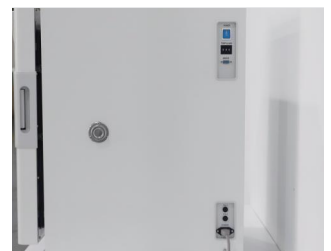
- Large LCD screen displays multiple data sets at once, featuring a menu-driven interface that is simple to understand for easy observation and operation.
- Mirror-finished stainless steel interior with rounded corners and removable shelf brackets facilitates easy cleaning of the workspace.
- Standard 25mm Test Port on the left side for convenient sensor insertion and wiring.

> Comprehensive Safety Protection

- Independent over-temperature protection system with audible and visual alarms for enhanced safety.
- Self-diagnostic function immediately identifies operational issues by displaying clear fault information directly on the LCD screen.
- Comprehensive temperature alerts for both high-temperature conditions and over-temperature situations, enhancing operational safety.



Damper Regulator



25mm Test Hole



Adjustable Sshelf



LCD Display

Specification

Model	FCO250-40L-Pro	FCO250-70L-Pro	FCO250-140L-Pro	FCO250-240L-Pro	FCO250-420L-Pro
Controller	Programmable LCD display				
Temperature Range	RT+10~250 C				
Display Resolution	0.1 C				
Temperature Stability	±1 C				
Temperature Uniformity	±2.5% (@100 C)				
Chamber Volume	40 L 1.41 cu ft	80 L 2.83 cu ft	150 L 5.30 cu ft	250 L 8.83 cu ft	400 L 14.13 cu ft
Shelves	2 pcs	2 pcs	3 pcs	3 pcs	3 pcs
Interior Dimension(W×D×H)mm	350×300×400	400×320×550	500×380×750	600×450×900	1000×510×800
Exterior Dimension(W×D×H)mm	505×655×600	550×660×750	655×715×980	755×785×1130	1140×850×1080
Power Consumption	850 W	1100 W	1550 W	2050 W	3000 W
Electrical Requirement	220V 50HZ				
Timing Range	0~5999min				

Options

FCO-RS485

RS485 interface and communication software



FCO-Printer

Embedded printer



FCO-DataExport

USB data storage and export



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