



Presto Stantest Pvt. Ltd.

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HOT AIR OVEN PRIMA



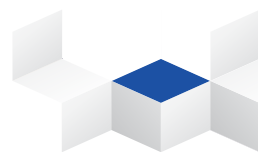
MODEL: PSO Prima Series

The **Presto Prima Hot Air Oven** is a PLC-based, touchscreen-controlled laboratory heating chamber designed for accurate drying, conditioning, curing, ageing, baking, and heat treatment applications. It delivers excellent temperature uniformity, repeatability, and intelligent process monitoring, making it suitable for quality control laboratories, research institutes, pharmaceutical, plastics, packaging, rubber, paint, automotive, textile, and food industries. Designed with advanced automation features, the Prima Series improves process reliability while ensuring complete traceability through alarms, audit logs, operator management, and automatic reporting.

Key Features

- PLC-based intelligent control with **Touchscreen HMI**
- Excellent temperature uniformity for reliable testing
- PID temperature control for precise heating performance
- High temperature deviation alarm for sample protection
- Automatic cycle start and end notifications
- Multiple programmable safety alarms
- Date & time stamped alarm logging
- Automatic test report generation
- Thermal printer support for instant report printing
- Real-time temperature trend graph
- Process status display (Heater, Timer, Alarm & Auto Tune)
- Role-based password protection
- Operator login tracking
- Complete audit trail for traceability
- Fast heating with stable temperature control
- User-friendly interface requiring minimal operator training
- Suitable for NABL, GMP and ISO quality systems

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Parameter	Specification
Controller	PLC Based
Size	18 x 18 x 18 inches / 24 x 24 x 24 inches
Display	Touchscreen HMI
Temperature Control	PID Microprocessor Control
Temperature Range	Ambient to 250°C or 300°
Temperature Accuracy	±2°C
Temperature Uniformity	Excellent uniform air circulation
Heating System	Nichrome Heaters U type
Chamber Material	Stainless Steel (SS-304)
Outer Body	Powder Coated Mild Steel Havel Grey & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Air Circulation	Forced Air Convection
Alarm System	High Deviation Alarm, Multiple Process Alarms
Alarm Logs	Date & Time Stamped
Data Logging	Automatic Report Generation
User Management	Role-based Password Protection
Operator Tracking	Available
Audit Trail	Available
Graphical Display	Real-time Temperature Trend
Sample Tray	2
Report Output	Thermal Printer Compatible
Process Monitoring	Heater Status, Timer, Alarm Status, Auto Tune
Power Supply	230 VAC, 50 Hz (Customizable)

Note: Lab oven are used for testing non-stop 8 hours. In case of longer non-stop Ageing tests, please contact the marketing department for more details.

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