OBROMAX

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Drying Oven/ Industrial Drying Oven

Model No.: ATI-112

ACMAS Technologies Inc.

CE An ISO 9001:2000 Company

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Drying ovens may be designed for batch processing or with a conveyor for continuous processing. The Drying Ovens are specially designed for drying and heating purposes performed in various laboratories. OBROMAX manufactures both standard and customized Drying Ovens as per customer's requirement. All drying ovens feature programmable controls and stainless steel interiors to prevent corrosion. When selecting the right drying oven, critical factors to consider are the heat-up, soak and cool-down times required within your application. Drying ovens are used across a range of industries and research laboratories for simple applications

- Drying and sterilizing glassware & surgical instrumets.
- Drying Ovens are used where complex processes require to controlled heating and temperature uniformity such as bonding and curing .
- It is use in the pharmaceutical industry, the food industry, but also in environmental technology to determine the dry content and humidity content using weighing equipment.
- It is used in hospitals to warm up blankets, rinsing solution etc.

Features :

- Maximum temperature 250°C (can be customized)
- Easy clean powder coated body
- Thermostat control for set temperature
- Toughened glass doors
- Fan circulation
- Energy Efficient
- robust construction
- Low maintenance
- Reliable

Applications areas:

- Basic Research & scientific Laboratories
- Microbiological Research
- Manufacturing & Production units
- Cement industries
- Electronic industries
- And many more

Construction :-

- Inner chamber is made up of high grade stainless steel SS-304 (SS-316 is optional)
- Outer chamber is made up of epoxy coated mild steel (SS-304 is optional)
- Tray is also supplied to make the shelves inside the chamber.
- Glass Wool Insulation: reduces heat losses in cabinet for better sensitivity and economical operations with minimal impact on the environment.
- Forced air circulation in the chamber by a blower ensures uniform temperature and humidity inside the chamber.
- Door: is provided with magnetic door closer and its outer body is made of powder coated MS and inner is made of SS-304.

Heating: is done with ISI marked strip type heaters placed around the inner chamber. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring very good temperature sensitivity

Heating Elements: on three sides

Cooling: We use energy efficient ISI marked high end CFC free compressors conforming to latest international standards & guidelines.

Temperature Control: The temperature inside our chambers is controlled through programmable micro-processor based temperature controller cum indicator.

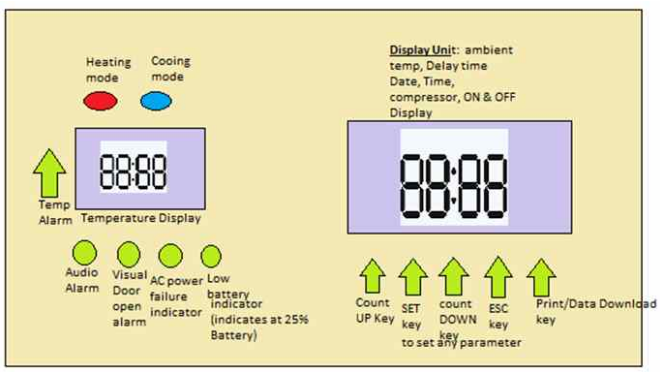
Temperature Range: ambient to 250 degree Celsius

Temperature Sensitivity: Temperature inside our environmental chambers is controlled with a sensitivity of + 0.5° C or better.

Air Circulation: circulated by ISI mark silicon winded motors which are connected to balanced blowers.

Vacuum gauge: with release valve & nozzle

Microcontroller Based Control Panel



Technical Specifications

Construction	Inner	SS-304
	Outer	Powder coated MS
	Door	Inner SS-304 & outer MS
Temperature	Range	Ambient to 250 degree C
	Deviation	+ 0.5 degree C
	Readability	+ 0.5 degree C
Shelves	Number	2
	Dimension	According to inner size of cabinet
	Maximum load	20 kg
Controller		PID controller
Display		LED
Serial Data Port		RS 232
Power consumption		230 V, 50 Hz
Castors		Lockable
Dimensions (Inner chamber)		600x600x600 mm
Optional Access.		
	Timer	1-999 hours
	Inspection window	In door
	LCD display	2 * 24 character display
	Adjustable alarm limits	Visual and acoustic
	Real time prog.	

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