

MODEL NO.: YSI-431Ex

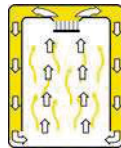
YSI HOT AIR STERILIZER (OVEN) DIGITAL (NEW)

-Mettmert Type as per IS : 3119 The very unique design is ideal for the applications in all biology and microbiology laboratories such as medical and veterinary ; research and quality control examination in pharmaceutical, food and cosmetics industries and biotechnology. Latest state of art heating system controlled by PID microprocessor control system and a unique insulation endow with highly precise and constant temperature. Very homogeneous temperature distribution in the chamber is obtained by natural forced air convection which means minimum instability and no cross contamination



Corrosion Free Rigid Construction The inner chamber of the Hot Air Sterilizer is made of Seamless Corrosion resistant

Stainless Steel 304 for a longer lifetime and easy cleaning.

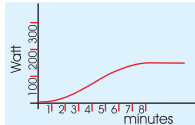


Temperature Uniformity Excellent temperature uniformity is obtained by incorporated PID control system which maintains the temperature very precisely.



Lowest Power Consumption Algorithm Even though the system has high wattage heater to act in response to any selectable temperature more quickly compared to other system, but only a fraction of the heater wattage is consumed when the set temperature has been achieved, saving of energy

TEMPERATURE CONTROL



- Soft Start for Heater
- In built soft start for the heaters prolongs the heater life.



Automatic Key Lock Feature:

This feature ensures that no manipulation could be done within the system while operated by an un-authorized person.

Remote Monitoring, Alarms, and Controls:

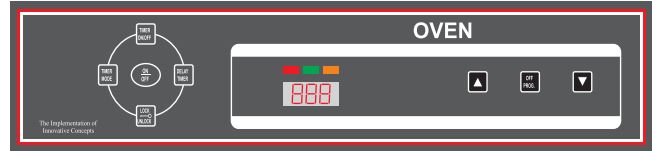
The system incorporates user friendly feather touch buttons for setting temperature, delay time and process time which could be seen on Seven Segment Display. LED's indicates the mode of operation. All the process date could be recorded to remote computer via RS232/RS485 or an optional attachment for the printer could be provided.

Data Retentive Delay and Process Timer:

This feature ensures that the material inside is objected to the set temperature for the set time only, irrespective of any power cuts or voltage fluctuations

Specifications:

Temperature Range	Ambient-250°C
Temperature Sensor	RTD (PT 100)
Control System	PID, Programmable Microprocessor
Temperature Set & Display Sensitivity'	1°C
Temperature Fluctuation	± 1°C
Timer	999 Min delay +999 Process
Useful Volume, liter	28.5, 45, 96, 128, 227, 256, 341
No. of Shelves	2, 2, 2, 3, 3, 3, 3
Power Consumption, Kw	1.0, 1.0, 1.5, 2.0, 2.5, 2.5, 3.0
Power Supply, Volts AC.	230V, 50 Hz.
Internal Material	S.S 304 Polished
External Material	M.S. Sheet, Powder Coated.



Size of inner chamber:

W x H x D	Cap.	No. of Shelves	Load
300 x 300 x 300 mm	27 liter	2	1.5 kw
355 x 355 x 355 mm	45 liter	2	1.5 kw
455 x 455 x 455 mm	92 liter	2	2.0 kw
455 x 605 x 455 mm	125 liter	3	2.2 kw
605 x 605 x 605 mm	220 liter	3	2.5 kw
605 x 910 x 455 mm	250 liter	3	2.5 kw
605 x 910 x 605 mm	330 liter	3	3.0 kw

External Dimensions:

W	x	H	x	D
515	x	660	x	655 mm
565	x	710	x	705 mm
665	x	815	x	785 mm
665	x	970	x	785 mm
815	x	970	x	785 mm
815	x	1275	x	785 mm
815	x	1275	x	935 mm

Salient Feature:

- Compact, Ergonomic Overall Design
- Corrosion Free Rigid Construction
- Lowest Power Consumption Algorithm
- Soft Start For Heaters
- Automatic Key lock Feature
- Remote Monitoring, Alarms, and Controls
- Date Retentive Delay and Process Timer