

YORLAB[®] INCUBATOR BACTERIOLOGICAL (M.TYPE) **Model No.: YSL / YSI-438D**

As per : IS -3118

Specifications:

- True to their name YORK Incubator Bacteriological (Memmert type)
- Perfect choice for reliable day to day operation in variety of uses. Drying of slides, paraffin embedding, tissue culture work, incubation of antibody test, excellent for Microbiological determinations, crystallization studies and Incubation of hydroxy steroids.

Construction :

- YORK Incubators are sturdy, with double walled construction with complete inner chamber made of Highly Polished Stainless Steel.
- Outer chamber is made of Mild Steel Sheet, finished with powder coated paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height. Supplied with 2 or 3 removable shelves. SHELVES are made of fully Polished Stainless Steel Sheet as per chamber.
- Door is insulated & fitted with heavy hinges. Door has Double glass window which facilitate inspection of samples without opening the door.
- Heating elements, made of high grade imported Nichrome wire are put inside the porcelain beads and placed in the Air path for uniform temperature all over the space.

Temperature Control :

- Temperature is controlled by PID microprocessor control system provided with air Circulating fan for providing homogenous temperature through out the chamber with temperature from ambient to $80^{\circ} \pm 0.5^{\circ}\text{C}$.

Ventilation :

- Air ventilators are provided on both sides at top to ventilate gas or fumes if any.

Control Panel provided with:

- Programable Microprocessor Controller "Fuzzy Logic Control with Accuracy of $\pm 0.1^{\circ}\text{C}$.
- P.I.D. Control with Jumbo LCD Display.
- 0-9999 minutes Data Retentive Delay and Process Timer.
- This features ensures that the material inside is objected to the set temperature for the set time only, irrespective of any power cuts or voltage fluctuations.



- Adjustable Overshoot Alarm & Heater cut off.
- A very low power consumption as a speciality of Fuzzy Logic control.
- In-built Heaters prolongs heater life.
- Feather touch button.
- Built in RS-232 Port for obtaining process data.
- Power Requirement : Supplied with cord and plug. Suitable to operate on 220 V single phase, 50 Hz, AC supply.

Size of inner chamber:

W	x H	x D	Cap.	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