



IN-SD1.5

IN-SD

IN-DD

IN-TD

Applications

It is widely used in microbiology laboratories for the applications that include cell culture and fungal growth, BOD test, fermentation, crop and physiology and various pharmaceutical tests etc. It is also known as BOD or Low Temperature Incubator because it is made with temperature range between 5°C to 60°C or with cooling and heating functions under one unit.

Features

- Microprocessor control and Digital display, ensuring internal temperature in the range of 5°C to 60°C
- Digital PID controller for temperature uniformity and fluctuation of less than 1.0°C
- Back-up memory system protects the preset temperature value during power failure
- Automatic diagnostic system identified and automatically adjust if controller error occurred
- Internal Offset function available for calibration purpose
- High efficient compressor and CFC-FREE refrigerant for fast cooling effect
- Ergonomic design
- Automatic cycle defrost ensure temperature stable
- Body construction: Powder coated mild steel
- Safety feature: High-limit temperature cut-off thermostat with Alarm Indicator light
- Built-in circuit breaker
- Transparent large glass door with heater to remove condensation and easy viewing
- Door switch to control air circulation to reduce temperature fluctuation during door opening
- Door lock for authorization purpose
- Supplied with adjustable shelves
- Mounted with locking-castor-wheels for easy mobility and location setting

Specification

Model	IN-SD1.5	IN-SD3	IN-SD	IN-DD	IN-TD
Capacity	150 litres	300 litres	500 litres	1050 litres	1600 litres
Cabinets construction	Powder Coated mild steel (Exterior and Interior)				
Cabinets insulation	CFC-Free polyurethane, form in place insulation				
Working Temp. range	5°C to 60°C				
Temperature Accuracy	±0.15°C				±0.2°C
Temp. setting & display	Digital display up to 0.1°C				
Temperature Controller	Digital PID Controller				
Sensor Type	PT 100				
Air Circulation	Aid by circulation fan				
Heater	600 W	600 W	800 W	1600 W	2400 W
Hermetic seal Refrigerator	1/6 HP	1/5 HP	1/4 HP	3/8 HP	5/8 HP
Safety devices	Over temperature protection (heater & compressor), ELCB, Compressor High-low pressure switches				
Defrost	With auto defrost and time delay protector				
Epoxy coated wire shelf	2 units	4 units	5 units	10 units	15 units
Indicating Lamp	1 unit fluorescent lamp				
Exterior dimensions (mm)	585W x 675D x 1198H	585W x 820D x 1720H	640W x 820D x 2045H	1260W x 820D x 2045H	1875W x 820D x 2045H
Interior dimensions (mm)	465W x 505D x 665H	465W x 643D x 1123H	515W x 640D x 1450H	1130W x 640D x 1450H	1750W x 640D x 1450H
Power supply	240VAC, 50 Hz, 4.0A	240VAC, 50 Hz, 4.4A	240VAC, 50 Hz, 6.0A	240VAC, 50 Hz, 11.4A	240VAC, 50 Hz, 14.5A
Weight	55 kg	90 kg	120 kg	165 kg	270 kg