



Laboratory Incubator

BDS 20/60/104/256



Custom - Made
Design
& OEM Available

NS . BIOTEC
www.nsbiotec.com



ISO 13485

LABORATORY INCUBATORS

Features :

- All made from stainless steel ASTM 304, interior housing shelves and external body, It is particularly corrosion-resistant, hygienic and robust.
- Temperature range from ambient temp. up to 70 C° ideal for the in-vitro incubation of cell cultures , tissue cultures and bacteria cultures at 37 C°
- Fuzzy-supported PID microprocessor controller with integrated Auto diagnostic system with fault indication solid state switching unit
- digital timer adjustable from 1 min to 99.59 hours
- Digital display (LED) of all set parameters such as temperature, time and set-up value
- Full protection by follow up alarms Acoustic & Visual switching the heating off at any deviation of 1.0C above set point



Technical Specification

Temperature control		BDS 020 BDS 20 DD	BDS 060 BDS 60 DD	BDS 104 DD	BDS 256 DD
Temperature variation (time)	+ / - °C	0 , 1	0 , 1	0 , 1	0 , 1
Temperature deviation	+ / - %	1	1	1	1
Readability / Stability	°C	0 , 1	0 , 1	0 , 1	0 , 1
Temperature Range RT + 5	°C	up to 70	up to 70	up to 70	up to 70
Controller		PID	PID	PID	PID
Display		LED	LED	LED	LED
Over temperature indicator		Visual / Acoustic	Visual / Acoustic	Visual / Acoustic	Visual / Acoustic
Actual temperature displayed	°C	Yes	Yes	Yes	Yes
Digital timer	Min / Hr	1~ 99.59	1~ 99.59	1~ 99.59	1~ 99.59
Sensor Thermocouple		Yes	Yes	Yes	Yes
Fan		Yes	Yes	Yes	Yes
Door Gasket , Silicone Rubber		Yes	Yes	Yes	Yes
Ventilation Slide		Yes	Yes	Yes	Yes
Shelves	St. / Max.	2/3	2/6	3/10	3/15
Shelf Dimensions W , D	mm	355 * 230	455 * 330	630 * 370	1190* 545
Nominal Power	W	125	175	220	450
Nominal Voltage Range	V	85 -242	85 -242	85 -242	85 -242
Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60
Inlet Fuses	A	10	10	10	20
Exterior dimensions W, D, H	m/m	560 * 352 * 302	690 * 495 * 470	817 * 525 * 726	950 * 700 * 920
Interior dimensions W, D, H	m/m	388 * 260 * 195	500 * 360 * 340	685 * 395 * 410	800 * 500 * 640
Volume Working Chamber	Litre	20	60	104	256
Net Weight	Kg	11	16	33	55
Shipping Weight	Kg	13	18	36	61



Fan in all models circulating a constant flow of warm air in the chamber to keep the temperature uniform in all points inside the incubator. Keep the incubator always in high performance .



structured stainless steel (ASTM 304) is used for external body scratch-resistant, hygienic, robust and durable. stylish attractive appearance for a life. Stainless steel is completely recycle (environment friendly)



The NS BIOTEC PID Microprocessor controller is user friendly, very easy to operate and has a large Dual LED displays to monitor the temperature & the time for each process .It has also a number of functions, such as adjustable alarm limits, acoustic alarm, timer and PID control of the temperature. The controller is very reliable. It has conforms the EMC requirement for the (EN 50081-1) Safety requirements (IEC 1010-1:1990+A2 / EN 61010-1:1993).

- DD Model for Incubators with double door
- C Model for Cooling Incubators
- CO2 Model for CO2 Incubators
- SH Model for Incubators with shaking device

Technical Alteration

- These technical date are specified for an empty cabinet and ambient temperature of 25 C.
- Some of the illustrations in this publication include the special accessories; we reserve the right to make changes in technical specification.

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