



BIO SCIENTIFIC

Laboratory Incubator - BS120



Precise, Homogenous, Intuitive

The incubator is the heart of any laboratory handling living biological systems, ensuring the stable environment necessary for their survival and growth.

Our new Bio Scientific incubators are accurate and durable with forced convection for better performance. They offer a modern, intuitive touchscreen interface with upgradeable software, and support capacities from 60 to 240 liters making them suitable for low and high numbers of samples.

MODELS AVAILABLE	
	120 L
Bio Scientific, plain door	BS120
WARRANTY	
Parts	2 years



Intuitive
Touchscreen
Interface



Perfect
Temperature
Homogeneity



160°C
Sterilization
Cycle

Technical Specifications

BIO SCIENTIFIC - LABORATORY INCUBATOR		
MODEL	BS120	
GENERAL SPECIFICATION		
Net Volume	117 L	
Ext Dimension (WxDxH)	630 x 730 x 850 mm	
Int Dimension (WxDxH)	500 x 470 x 500 mm	
Ext Construction	Electrogalvanised steel with epoxy paint	
Int Construction	Brushed stainless steel inner tank	
Net weight	58 kg	
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)	
Shelves (WxD)	480 x 430 mm: 1 anti-tilt stainless steel perforated shelf as standard (max/shelf: 35 kg distributed). Maximum numbers of shelves: 10 (max total weight: 70 kg)	
Ambient temperature	From +18°C to +32°C	
Use	Indoor use only	
Environment	Not designed for use in explosive atmospheres (ATEX)	
Warranty	2 years	
CONTROL		
Display	7 inch Touch Screen, compatible with use of gloves	
Software	Embedded and upgradable software: • Manual mode including realtime temperature value, set temperature value, realtime temperature profile • Automatic program mode including scheduler overview • 5 preset programs: 5 different programs • program settings : program name editing, step configuration including up to 16 different temperatures, ramp time, stabilisation time, etc.	
Languages	English, French, Spanish, Chinese, German, Romanian	
Remote Access	Unit can be connected to a computer to allow a remote access	
Data	Temperature profiles, alarms can be exported on USB stick (CSV file format)	
Settings	• Alarms • Brightness • Date/Time • User profile login: user, admin and service access • Language • Ethernet	
Communication	USB port, Ethernet Port	
HEATING SYSTEM		
System	Heating convection ensured by fan (no risk of conduction or radiation)	
Ventilation	Turbine ventilation ensuring temperature homogeneity	
Air Flow Control	Adjustable on the front, rear exhaust	
ELECTRIC AND ELECTRONIC DATA		
Controller type	Electronic PID self regulating and self-adaptive	
Temperature probe	1 x Pt100 3 wires probe	
List of alarms	High temperature / Over temperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)	
Type of alarm	Visual	
Energy consumption	750W	
Types of power supply	230 V 50 Hz + T / 208V/60Hz (on demand) / 110V 50/60Hz (on demand)	
PERFORMANCES (AMBIENT TEMPERATURE : 22°C)		
Temperature range	Amb +5°C to 100°C, 1/10th degree display (set and actual temperature)	
Temporal stability	+/-0.1°C	
Homogeneity at +37°C	+/-0.5 °C	
STERILIZATION		
Type of sterilization	Thermo-disinfection by dry heat at 160°C for 2h30 / Orange screen displayed during program running	
Starting method	Cycle start with a user's validation. During cycle a specific message is displayed "Sterilization cycle in progress" with flashing at the top of the screen	
OPTIONS & CONFORMITIES		
Options	• Key door lock • 4 castors (80 mm diameter, including 2 with brakes) • Stainless steel wire shelf • Stainless steel shelf with anti-tip safety (480 x 430 mm) • Stacking kit including 2 spacers, a tool and an explanatory note • Base without wheels • Base with 4 casters (Diam: 80 mm, 2 with brakes, height: 250 mm) • Additional cable entry port 50 mm with sealing plug • Additional Pt 100 Ohms probe + DIN plug for recorder connection • PT 100 Ohms probe, delivered with 3 points COFRAC verification • External door with glass, viewing door	
Supplied with	1 Shelf, 1 power cord & User manual	
Certification / Conformities	Equipment meets the specifications and CE compliant to: • EN60068-3-11 • 2014/35/UE – Low voltage directive • 2014/30/UE – EMC directive, Class A device	
Shipping weight	74 kg	
Shipping dimension (WxDxH)	670 x 750 x 1020 mm	