



COOLED INCUBATORS



ES series

ES Series Cooled Incubators are designed to obtain freezing, incubation, drying and test temperatures between -10°C and $+60^{\circ}\text{C}$ and have all the technical and application requirements for the examinations in the fields of biology, zoology, botany and the quality control laboratories in industry such as pharmacy, food and cosmetic.

The outer body of the cooled incubators is made of epoxy-polyester powder coated stainless steel and the chamber is made of stainless steel.

When the cold and hot temperatures concerned, the insulation becomes more important for efficiency of the product. ES-120/ES-250/ES-600 has insulation consisting of high density injected polyurethane.

The door window consists of triple glass for perfect insulation. Inner glass is antifogging to avoid condensation and the outer one prevents UV light. Magnetic gasket on four sides of the door prevents air leakage from the chamber and provides complete door closing.

There is also 25 mm access port as standard. Interior lighting with on/off switch and large view window on the door provides easy observation of the samples.

The powerful air circulation system maintains temperature uniformity and stability even at low temperatures. Directional air flow assures quick recovery after the door openings.

Automatic defrost system prevents the frost on cooling coils for efficient refrigeration.

ES-120, ES-250 and ES-600 are equipped with microprocessor control system. As the advantage of the microprocessor control system, the heating is controlled by PID system while cooling is controlled by proportional system for precise and constant temperatures.

Easy to use control panel includes four digital displays for temperature, time, program no and step no as well as some functional leds and keys.

Optional RS 232 outlet and a software that allow to follow and store temperature data on the computer.



Pulse Healthcare Technology

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TECHNICAL SPECIFICATIONS

	ES-120	ES-250	ES-600
Chamber Volume	120 lt.	252 lt.	600 lt.
Temperature Range	- 12°C / + 60°C		
Temperature Set and Reading Sensitivity	0.1°C		
Temperature Fluctuation (4 °C - 40 °C)	± 0.5°C	± 1°C	
Programmable Alarm Limits	± 1 - 5°C		
Timer	1 min - 100 hours + Hold position		
Delayed Start Timer	1 min - 99 hours 59 minutes		
Number of Program Memory	9		
Number of Steps for Each Program	9		
Number of Program Repetitions	2 - 99		
Internal Material	Stainless steel		
External Material	Epoxy-polyester powder coated stainless steel		
Number of Shelves (standard / max)	2/10	3/20	3/20
Power Supply	230V, 50/60 Hz		
Power Consumption	800 W	1250 W	2000 W
Internal Dimensions (WxDxH) mm	475 x 545 x 475	475 x 545 x 970	730 x 640 x 1350
External Dimensions (WxDxH) mm	650 x 740 x 1010	650 x 740 x 1850	920 x 830 x 1970
Packing Dimensions (WxDxH) mm	770 x 890 x 1190	700 x 860 x 2000	1030 x 1020 x 2140

OPTIONAL PARTS

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ES XXX W data control software and RS 232 kit

OPTIONAL ACCESSORIES:

R 01 130 Shelf for ES-120/ES-250

K 23 040 Shelf Carrier ES-120/ES-250

R 01 145 Shelf for ES-600

K 23 064 Shelf Carrier ES-600

Notes 2 PCS. SHELF CARRIER SHOULD BE ORDERED FOR EACH SHELF



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