

Cooled Incubators

Cooled Incubators Series 1

The Series One Cooled Incubator is a reliable and accurate temperature controlled cabinet (-10°C to +50°C) which has proved its worth over many years in laboratories both in the UK and overseas.

The design of the purpose built incubator facilitates the addition of optional extras to provide greater flexibility for individual use, making it suitable for a wide range of applications including:

- The study of growth patterns of plants and insects
- B.O.D. Tests
- Seed germination & vernalisation
- Tissue culture
- Enzyme testing
- Serum studies
- Immunology
- Fruit fly culture
- Sample storage
- Product shelf life tests

Models

Mini - 305 (735x500x500mm) 60L - benchtop or underbench
303 (1295x500x580mm) 180L - freestanding
250 (1585x530x610mm) 250L - freestanding

Construction

Exterior - white stove enamelled mild steel
Interior - high impact ABS plastic
Insulation - foamed polyurethane for optimum results



Design

- Digital control with digital readout
- Fan assisted air circulation via premixing chamber
- Full P.I.D. heating control to ensure stable internal temperatures
- Pre-set 70°C safety cutout for total cabinet protection
- Electronics RF and TV suppressed
- Hermetically sealed refrigeration system
- Refrigeration isolation switch
- Self-evaporating condensate drip-tray
- Mini 3C5 can be stacked or wall mounted
- Doorlock (except on double glazed door)
- RS 232 interface

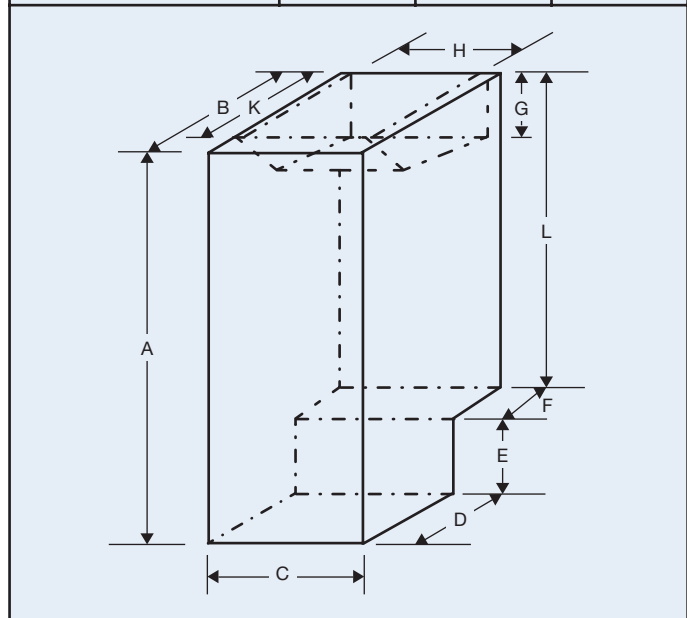
Operation

- Controls easy to read and simple to use
- Temperature range: -10°C to +50°C (excluding interior illumination and double glazed door) with average variation of +/- 0.5°C and fluctuation of 0.1°C with average workload
- Temperature set by direct reading digital controller
- Indicators for mains, heating and high temperature safety cutout

Optional Extras

- Automatic dual temperature control via program facility
- Interior fluorescent/u.v. lighting operated via program facility
- Double glazed door (minimum 0°C)
- Inner clear perspex door
- Built in chart recorder
- Manual high/low temperature audible and visual alarm system with safety cut out
- Programmable audible alarm
- Automatic defrost
- Special evaporator for corrosive conditions
- Access porthole
- Internal 13 amp socket outlet
- RS 485 interface
- Fully programmable controller
- Configuration software for Windows

MODEL		305	303	250
EXTERNAL HEIGHT		735	1295	1585
DIMENSIONS (MM)	WIDTH	500	500	530
	DEPTH	500	580	610
CAPACITY (LITRES)		60	180	250
SHELF SIZE (MM)		435 X 270	430 X 355	335 X 440
NUMBER OF SHELVES		1.5	3	4.5
UNLADEN WEIGHT		30kg	50kg	55kg
INTERNAL DIMENSIONS (MM)	A	538	1110	1350
	B	375	450	470
	C	448	445	445
	D	210	283	300
	E	208	205	190
	F	165	167	167
	G	105	178	178
	H	410	385	385
	K	293	410	410
	L	330	905	1160



LMS Limited reserves the right to amend the specifications of all models without prior notice in the light of changing user techniques.

The standard voltage is 240v 50Hz but other volts/cycles available.