

Cooled Incubators Series 3

The LMS Series Three 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

100W (90 litres)
200W (227 litres)
300W (290 litres)
400W (450 litres)

Construction

- Exterior - white stove enamelled mild steel
- Interior - stainless steel
- Insulation - foamed polyurethane for optimum results



Two Year Guarantee

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
- Hermatically sealed refrigeration system
- Refrigeration isolation switch
- Self-evaporating condensate drip-tray
- Automatic de-frost
- Variable over-temp alarm
- Doorlock
- Castors
- White plastic coated wire shelves - adjustable in 28mm increments
- RS 232 interface

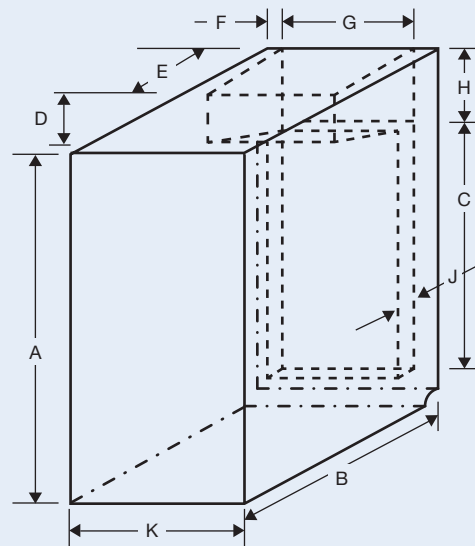
Operation

- 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
- Access porthole
- Stainless steel shelves
- Special evaporator for corrosive conditions
- Internal 13 amp socket outlet
- RS 485 interface
- Fully programmable controller

MODEL		100W	200	300	400
EXTERNAL DIMENSIONS (MM)	HEIGHT	850	1470	1780	1780
	WIDTH	500	680	680	680
	DEPTH	460	570	570	860
CAPACITY (LITRES)		90	227	290	450
AREA PER SHELF (CM²)		1200	2100	2100	3200
NUMBER OF SHELVES		2	3	3	3
UNLADEN WEIGHT		45kg	115kg	120kg	130kg
INTERNAL DIMENSIONS (MM)	A	540	920	1170	1170
	B	370	450	450	700
	C	-	590	840	840
	D	110	170	170	170
	E	-	280	280	280
	F	-	72	72	72
	G	-	406	406	406
	H	110	250	250	250
	K	-	51	51	51
	L	450	550	550	550



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.



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

