

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 (100) litre – Benchtop or underbench
200W (227) litre – freestanding
300W (290) litre – freestanding
400W (450) litre – freestanding

Construction

Exterior – white stove enamelled mild steel
Interior – stainless steel
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
- Automatic de-frost
- Variable over-temp alarm
- Doorlock
- Castors
- White plastic coated wire shelves - adjustable in 28mm increments
- RS 232 interface

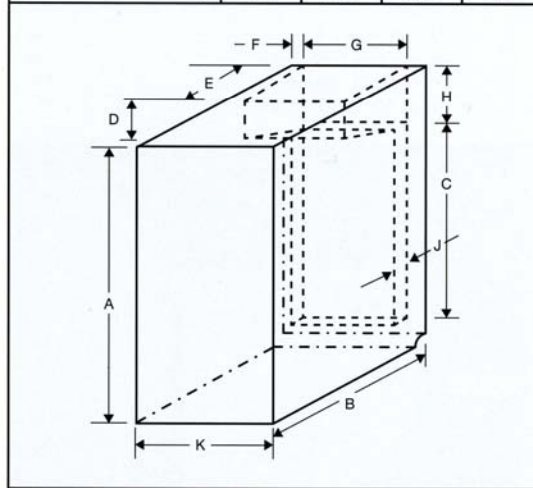
Operation

- 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
- Configuration software for Windows (for use with fully programmable controller)
- Pre-programming service, up to 5 different programs

MODEL		100W	200	300	400
EXTERNAL HEIGHT		850	1470	1780	1780
DIMENSIONS (MM)	WIDTH	500	680	680	680
	DEPTH	460	570	570	860
CAPACITY (LITRES)		90	227	290	450
AREA PER SHELF (CM ²)		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.



THE MODERN FORGE, RIVERHEAD, SEVENOAKS, KENT TN13 2EL.
TELEPHONE: 01732 451866 FACSIMILE: 01732 450127

12/02