

# LMS

## Series 1A

### Cooled Incubators

Energy Efficient  
& ECO Friendly

The LMS Series 1A Cooled Incubator is a reliable and accurate Temperature controlled cabinet (-10°C to +50°C) designed for optimum performance and reliability. 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

80 ( 76 litre) - benchtop or underbench  
120 (120 litre) - freestanding  
201 (201 litre) - freestanding  
280 (272 litre) - freestanding

#### Construction

- Exterior – white stove enamelled mild steel
- Interior – white
- 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/cooling control to ensure stable internal temperature
- Pre-set 70°C safety cutout for total cabinet protection
- Electronics RF and TV suppressed
- Hermetically sealed refrigeration system
- Self-evaporating condensate drip-tray
- Doorlock
- White plastic coated wire shelves
- RJ 45 interface

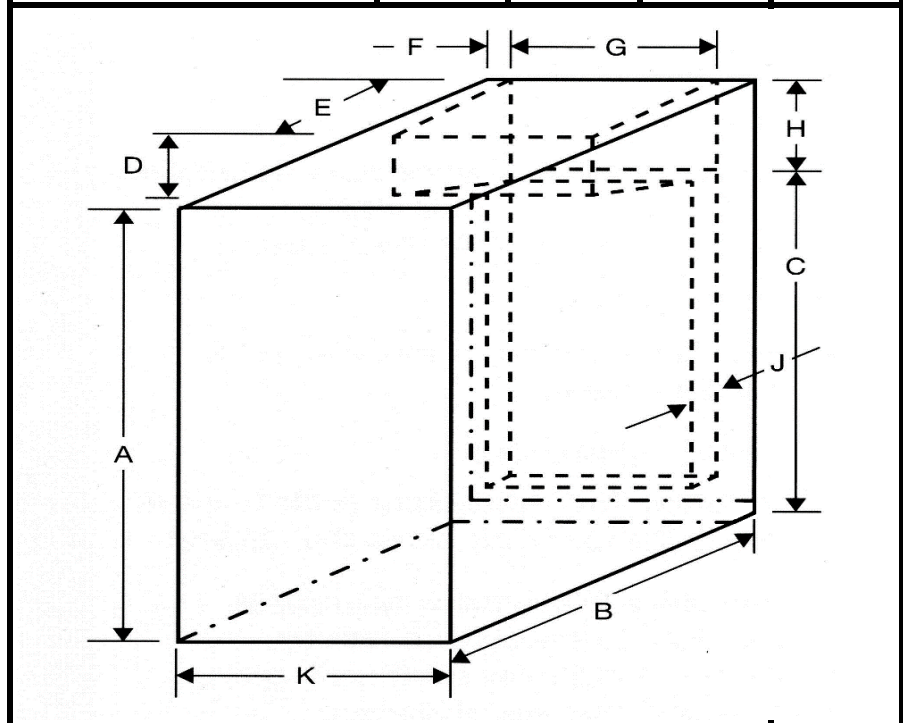
## Operation

- Controls easy to read and simple to use
- Temperature range -10°C to +50°C (excluding interior illumination & double glazed door models) with an average variation of  $\pm 0.5^{\circ}\text{C}$  and a fluctuation of  $0.1^{\circ}\text{C}$  with an average workload
- Temperature set by direct reading digital controller

## Optional Extras

- Automatic dual temperature control
- Interior LED lighting
- Inner clear perspex door
- Built in paper less chart recorder
- Manual high/low temperature audible and visual alarm system with safety cut-out
- Access porthole
- Special evaporator for corrosive conditions
- Internal socket outlet
- Fully programmable controller

Model		80	120	201	280
External	Height	780	1080	1430	1750
Dimensions	Width	520	520	520	520
(MM)	Depth	680	680	680	680
Capacity	(Litres)	76	120	201	272
Shelf Size	(MM)	420x386	420x386	420x386	420x386
Number of Shelves		2	3	4	5
Unladen Weight		40	55	65	75
Internal	A	400	600	965	1285
Dimensions	B	490	490	490	490
(MM)	C	275	475	785	1105
	D	125	125	150	150
	E	310	310	370	370
	F	10	10	30	30
	G	425	425	385	385
	H	125	125	180	180
	K	445	445	445	445
	J	40	40	40	40



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

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

