

# 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

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#### 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 70C 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
- RS 232 interface

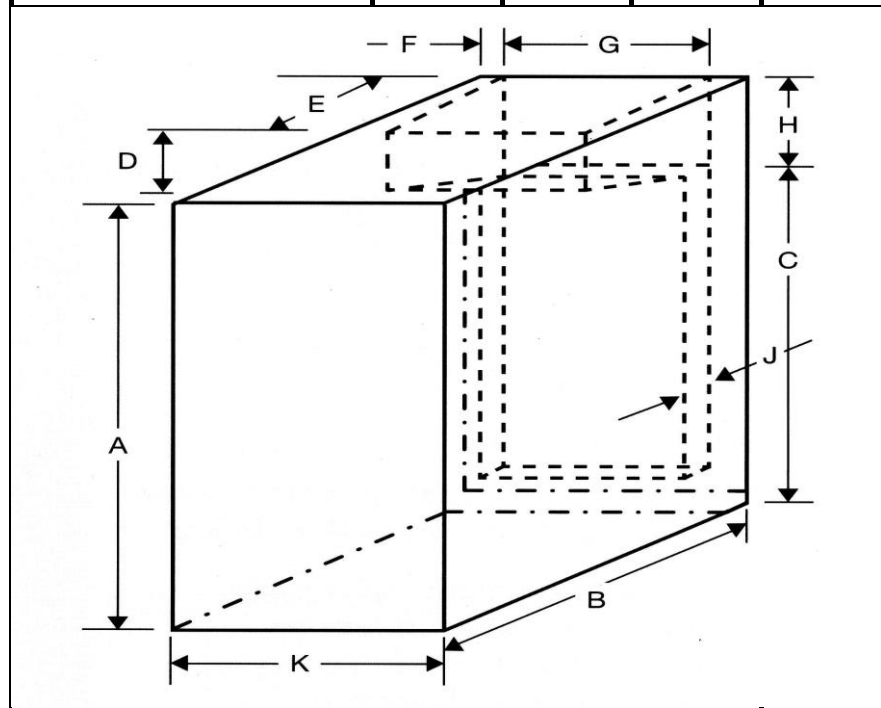
## Operation

- Controls easy to read and simple to use
- Temperature range -10C to +50C (excluding interior illumination) with average variation of  $\pm 0.5C$  and fluctuation of 0.1C with average workload
- Temperature set by direct reading digital controller

## Optional Extras

- Automatic dual temperature control
- Interior Fluorescent/u.v. lighting
- Inner clear perspex door
- Built in 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
- RS485 interface
- Fully programmable controller
- Configuration software for Windows (for use with fully programmable controller)
- Pre-programming service, up to 5 different programs

| 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.

**LMS**

the  **Laboratory**  
Store