

Cooled Incubator Models 410XAL & 610XAL

The LMS Models 410XAL & 610XAL Cooled Incubators are reliable and accurate temperature controlled cabinets (-10°C to +50°C) which have widely used in laboratories throughout the world. These purpose built incubators with many applications, have specially built in features, particularly controlled lighting, making it ideally suited for a wide range of functions including:-

- B.O.D. Tests
- Seed germination & vernalisation
- Growth study of plants
- Insect culture
- Long-term stability study
- Controlled time-scale study

Models

410XAL (450 litres)

610XAL (600 litres)

Construction

- Exterior - stainless steel
- Interior - stainless steel
- Insulation - foamed polyurethane for optimum results

Special Features

Door Vents: Two Adjustable vents to allow for the exchange of air within the cabinet.

Temperature Protection: Adjustable temperature safety cut-out, giving both audible and visual alarms via program facility.

Lighting: 15w fluorescent tubes mounted in pairs above four adjustable shelves, operated via program facility.

Fully programmable controller: To enable the user to set up and run complex processes (i.e. temperature control and/or adjust illumination changes).

Automatic de-frost



410XAL

Design

- Fully programmable digital control with digital readout of set point and actual temperature
- Fan assisted air circulation via premixing chamber
- Full P.I.D. heating control to ensure stable internal temperatures
- Pre-set overheat cabinet protection
- Electronics RF and TV suppressed
- Hermetically sealed refrigeration system - CFC free
- 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 $+50^{\circ}\text{C}$ (excluding interior illumination and double glazed door) with average variation of $\pm 0.5^{\circ}\text{C}$ 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
- Interior illumination controlled via program facility
- Automatic dual temperature control via program facility
- Programmable audible alarm

MODEL		410XAL	610XAL
EXTERNAL DIMENSIONS (MM)	HEIGHT	1780	2000
	WIDTH	680	690
	DEPTH	860	800
CAPACITY (LITRES)		450	600
AREA PER SHELF (CM ²)		3200	3100
NUMBER OF SHELVES		4	5
UNLADEN WEIGHT		130kg	160kg
INTERNAL DIMENSIONS (MM)	A	1170	1460
	B	700	670
	C	840	580
	D	170	25
	E	280	645
	F	72	60
	G	406	480
	H	250	80
	J	51	35
	K	550	540

