



EFFECTIVE LABORATORY SUPPLIES CC

# Incubators



## Digital Incubators

Scientific general purpose incubators are ideal for use in the fields of life science, pharmacy, clinical science, chemistry and biology.

These units ensure the highest accuracy essential in critical incubation processes. All are fitted with a digital controller.

- Optional inner glass viewing door for sample inspection without affecting chamber temperature
- Ideal for applications where a higher degree of accuracy is required
- Choice of 5 different capacities
- Electronic P.I.D temperature control with digital indication of set and process value
- High accuracy pt 100 temperature sensor
- Solid state control relay for optimum reliability and rapid response
- Digital display of set and actual temperature to 0.1°C

Model	Internal Volume (l)	Temp variation across chamber ( $\pm$ °C)	Temp variation at a point ( $\pm$ °C)	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Maximum Load per shelf (kg)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
295	40	1.0	.03	651x510x600	385x375x370	26	34	230/50	500
296	80	1.0	.03	750x540x690	485x400x455	26	40	230/50	500
297	160	1.0	.03	801x720x770	535x580x535	26	63	230/50	750
298	240	1.5	.03	890x820x810	625x680x580	20	75	230/50	1000
299	400	1.5	.03	990x920x985	625x680x580	20	116	230/50	1500

## Contact

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# Incubators

## Double Door Digital Incubators



The Scientific range of double door ovens and incubators have been designed to complement the current single door range.

They are particularly suited to applications where laboratory space and access is limited and a larger unit is required.

- Available in 2 sizes
- Two point locking system for effective door sealing.
- Available in 4 model types
- All other specifications identical to the comparable single door model
- Full range of accessories available

Model	Internal Volume (l)	Temp variation across chamber ( $\pm^{\circ}\text{C}$ )	Temp variation at a point ( $\pm^{\circ}\text{C}$ )	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Maximum Load per shelf (kg)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
298D	240	1.5	0.3	734x905x834	625x680x580	20	75	230/50	1000
299D	400	1.5	.03	834x1005x985	725x780x755	20	116	230/50	1500

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# Incubators

## Economy Incubators



Scientific general purpose incubators are ideal for use in the fields of life science, pharmacy, clinical science, chemistry and biology.

For applications where control accuracy is not critical these units are the ideal choice.

- Choice of 5 different capacities
- High accuracy pt 100 temperature sensor
- Ideal for applications where a higher degree of accuracy is required
- Solid state control relay for optimum reliability
- Electronic P.I.D temperature control with digital indication of set and process value
- Operating temperature ambient +7°C to 250°C
- Supplied with 2 chrome plated shelves

Model	Internal Volume (l)	Temp variation across chamber ( $\pm^{\circ}\text{C}$ )	Temp variation at a point ( $\pm^{\circ}\text{C}$ )	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Maximum Load per shelf (kg)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
225	40	1.0	2.5	651x510x600	385x375x370	26	34	230/50	500
226	80	1.0	2.5	750x540x690	485x400x455	26	40	230/50	500
227	160	1.0	2.5	801x720x770	535x580x535	26	63	230/50	750
228	240	1.5	2.5	890x820x810	625x680x580	20	75	230/50	1000
229	400	1.5	2.5	990x920x985	625x680x580	20	116	230/50	1500

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## Double Door Economic Incubators



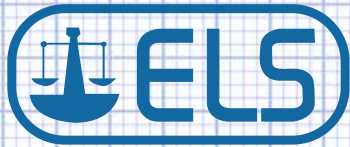
The Scientific range of double door ovens and incubators have been designed to complement the current single door range.

For applications where control accuracy is not critical these units are the ideal choice.

- Available in 2 sizes
- Two point locking system for effective door sealing.
- Available in 4 model types
- All other specifications identical to the comparable single door model
- Full range of accessories available

Model	Internal Volume (l)	Temp variation across chamber ( $\pm^{\circ}\text{C}$ )	Temp variation at a point ( $\pm^{\circ}\text{C}$ )	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Maximum Load per shelf (kg)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
228D	240	0.5	2.5	734x905x834	625x680x580	20	75	230/50	1000
229D	400	0.5	2.5	834x1005x985	725x780x755	20	116	230/50	1500

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# Incubators



## Industrial Incubator

The industrial incubator is ideally suited for applications where a larger volume incubator is required.

These units do not require 3 phase power and are 230V single phase units. The operating temperature range varies from ambient + 7°C to 110°C

- Grade 304 stainless steel interior
- Fully adjustable shelf height
- Doors mounted on robust hinges for effective sealing
- Long lasting silicon door seal
- All bodies are constructed from corrosion protected mild steel with an epoxy powder coated finish
- Special purpose shelves or drying trays manufactured to customer specifications if required
- Hydraulic safety thermostat and control circuit breakers fitted to all models
- Electronic P.I.D temperature control with digital indication of set and process value
- High accuracy pt 100 temperature sensor
- Ideal for applications where a higher degree of accuracy is required
- 24 Hour timer

Model	Internal Volume (l)	Temp variation across chamber ( $\pm^{\circ}\text{C}$ )	Temp variation at a point ( $\pm^{\circ}\text{C}$ )
353	150	0.5	0.5
355	150	0.5	0.5

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## Cooled Incubators

The Scientific range of robust cooled incubators are available in **two** sizes. The model 356 is floor standing and is fitted with castors for ease of mobility. The units are ideal for use in cultivating low temperature microbes and plant cells; general pharmacy, clinical science and biology.

- Electronic P.I.D temperature control with digital indication of set and process value
- High accuracy pt100 temperature sensor
- Solid state control relay for optimum reliability
- Reliable refrigeration system with high quality compressor and components
- Grade 304 stainless steel interior.
- Temperature range 0°C to +60°C
- Supplied with 2 chrome plated wire shelves
- Fully adjustable shelf heights
- Cooling can be switched off if working above ambient
- Optional inner glass viewing door for sample inspection without affecting chamber temperature
- Forced air circulation for excellent temperature uniformity
- High quality silicon door seal to minimise heat loss
- Refrigerant 134a
- Automatic defrost function

Model	Internal Volume (l)	Temp range (°C) @ 25° ambient	Temp variation across chamber (±°C)	Internal Volume (l)	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
354	150	-10 to 60	0.5	150	680x825x700	600x500x500	75	230/50	1100
356	400	0 to 60	0.5	150	680x1815x740	600x1350x500	100	230/50	1200

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# Incubators

## Shaking Incubator



This range of orbital shaking incubators comprises of two models depending on the required temperature range. The units are ideal for a wide variety of laboratory experimentation in fields such as molecular biology, plant and animal cell culture and microbiology.

- Electronic P.I.D temperature control with digital indication of set and process value
- High accuracy pt 100 temperature sensor
- Solid state control relay for optimum reliability
- Micro processor based speed control for high stability with digital indication of r.p.m.
- 120 minute timer with infinity override position for continuous operation if required
- Supplied with one chrome plated shelf and a shaking platform (size 480mm x 380mm) with four adjustable clamping bars
- 30kg load capacity

- Forced air circulation for excellent temperature uniformity
- Grade 304 stainless steel interior.

### Specific features model 353

- Temperature range ambient +7°C to 60°C
- Flask holding clamps available as accessories

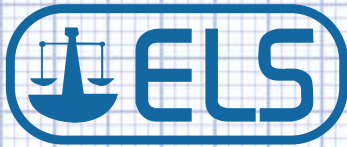
### Specific features model 355

- Temperature range 0°C to 60°C
- Reliable refrigeration system with high quality compressor and components .
- Automatic defrost function

Model	Internal Volume (l)	Temp range (°C) @ ambient	Temp variation across chamber (±°C)	Internal Volume (l)	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
353	150	+7 to 60	0.5	150	680x825x700	600x500x500	82	230/50	1100
355	150	0 to 60	0.5	150	680x825x700	600x500x500	82	230/50	1100

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# Incubators

## Orbital Shaking Incubator

This 14 litre shaking incubator has been designed as an entry level solution where sample agitation is required at a controlled temperature. A powerful air circulation system creates a uniform heating effect in the working chamber.



- Micro processor based speed control for high stability with digital indication of r.p.m.
- 120 minute timer with infinity override position for continuous operation if required
- Electronic P.I.D temperature control with digital indication of set and process value
- High accuracy pt 100 temperature sensor
- Standard unit supplied with platform (size 400mm x 300mm) and 4 adjustable clamping bars
- Loose rubber mat fitted to platform
- Counterbalanced drive system ensures smooth running under all loads
- 8kg load capacity • Viewing window mounted in lift up cover
- Door opening safety cut out switch stops the platform when the lid is opened
- Temperature range ambient  $\pm 7^{\circ}\text{C}$  to  $60^{\circ}\text{C}$
- Flask holding clamps available as accessories

Model	Internal Volume (l)	Temp range ( $^{\circ}\text{C}$ ) @ ambient	Temp variation across chamber ( $\pm^{\circ}\text{C}$ )	Internal Volume (l)	External Dimensions (W x H x D)	Internal Dimensions (W x H x D)	Approx Net Weight (kg)	Electrical connection (V/hz)	Power Rating (W)
260	14	+7 to 60	0.5	14	460x400x700	455x250x380	27	230/50	575

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