Genlab

LCI/425V/TDIG

LCI/1000H/TDIG

Multi-Purpose Large Capacity Incubators

The Genlab range of Large Capacity Incubators offers a selection of highly efficient, reliable and cost effective units. They are suitable for larger applications of incubation, research and general laboratory applications. Featuring our latest touch screen control system which offers intuitive control and excellent accuracies designed for laboratory incubators. Optional temperature recording now available on the L.C.I. range.

Features

- 8 sizes (250 to 1000 litres - single door design)
- 9 sizes (250 to 1250 litres - twin door design)
- Temp range (ambient+ 8)°C to 70°C
- Fluctuation +/- 0.25°C @ 37°C
- Resolution 0.1°C
- On screen historical trending (48 hours)
- 8 stage profile control
- Countdown timer
- 24/7 real time clock operation
- Manual or automatic overheat reset
- High accuracy PT100B duplex sensors <0.8°C
- Fan assisted circulation
- Excellent stability <+/- 0.6°C
- Low chamber uniformity
- Energy efficient with integral energy meter
- New - set point lock feature
- Selectable HMI languages

Options

- Integral Temperature Logger with reporting firmware
- 10 menu x 8 stage profile (& cyclic control)
- Stainless steel chamber
- Viewing windows
- Inner glass doors
- Access ports (25, 50, 75 or 100mm)
- Bespoke stands and stacking kits
- Audible warnings
- Traceable calibration to national standards
- Extractor unit
- Extended warranty
- Explosion relief panels
- Internal lights
- Bespoke solutions available upon request
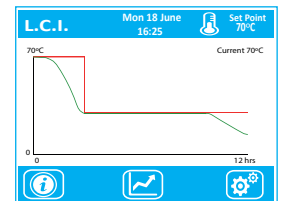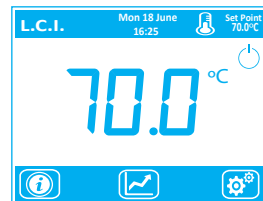- Castor wheels (fitted as standard above 425L versions)

Design

The exterior is constructed from sheet steel and finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD) with a stainless steel chamber available as an option. Fitted with fixed shelf runners and removable chrome plated wire grid shelves. The vertical style units are fitted with single doors, the horizontal style units are fitted with twin doors.

Heating

Heated by Incoloy sheathed elements positioned in the side fan duct for all units except the 250H and 350H, which have a base fan duct.

Controls

The control system comprises of a bespoke touch screen user interface that offers both accurate temperature control and an integral overheat system by using 2 individual PT100 sensors. Advanced features can be turned on and off to suit bespoke heating applications and tailored to customer preference. Oven trending is displayed for up to 48 hours and optional upgrades are available for alarm outputs.

Sizes and Specifications

Genlab Reference Number	Capacity (litres)	Internal Dimensions (H x W x D cm)	External Dimensions (H x W x D cm)	Shelves / Positions	Wattage	Voltage	Weight (kg)
Horizontal with Twin Doors							
LCI/250H/TDIG*	220	54 x 92 x 44	94 x 109 x 57	3..4	1000	230	96
LCI/350H/TDIG*	320	54 x 92 x 64	94 x 109 x 77	3..4	1500	230	125
LCI/425H/TDIG	450	76 x 92 x 64	107 x 135 x 81	4..5	2000	230	140
LCI/500H/TDIG	535	91 x 92 x 64	127 x 135 x 81	5..7	2000	230	180
LCI/650H/TDIG	645	91 x 92 x 77	127 x 157 x 95	5..7	2000	230	280
LCI/750H/TDIG	750	106 x 92 x 77	142 x 157 x 95	5..8	2000	230	300
LCI/850H/TDIG	865	122 x 92 x 77	158 x 157 x 95	5..9	2000	230	320
LCI/1000H/TDIG	1005	142 x 92 x 77	178 x 157 x 95	5..11	2000	230	340
LCI/1250H/TDIG	1280	142 x 122 x 74	178 x 187 x 95	5..11	2000	230	370
Vertical with Single Door							
LCI/250V/TDIG	240	91 x 51 x 52	117 x 94 x 61	5..7	1000	230	90
LCI/350V/TDIG	345	91 x 61 x 62	117 x 104 x 79	5..7	1500	230	120
LCI/425V/TDIG	425	91 x 61 x 77	127 x 104 x 95	5..7	2000	230	150
LCI/500V/TDIG	535	114 x 61 x 77	140 x 104 x 95	5..9	2000	230	165
LCI/650V/TDIG	675	114 x 77 x 77	140 x 142 x 95	5..9	2000	230	260
LCI/750V/TDIG	760	128 x 77 x 77	164 x 142 x 95	5..10	2000	230	280
LCI/850V/TDIG	840	142 x 77 x 77	178 x 142 x 95	5..11	2000	230	300
LCI/1000V/TDIG	1005	142 x 77 x 92	178 x 142 x 110	5..11	2000	230	320

*Have base mount HMI

Ordering

All units have CLAD interior with touch screen interface as standard. Where options are required simply add the option code to the original reference. e.g. **LCI/1250/TDIG** with stainless steel interior and audible alarm becomes **LCI/1250/TDIG/SS/AUD**. Contact sales for bespoke options.

Option Codes

SS	Stainless Steel Chamber	**VIS**	Viewing Window	**DD**	Double Door (Glass)
AP	Access Ports	**STAND**	Stands	**AWA**	Audible Warning
SPC	Single Point Calibration	**3PC**	3 Point Calibration	**10PRO**	10 menu x 8 profile (inc cyclic)
EXT	External Extraction System	**X1**	Extended Warranty	**EXP**	Explosion Relief Panels
IL	Internal Lights	**1108**	Castor Wheels (250 - 350 models only)	**ITL**	Integral Temperature Logger