



Prime^{XL} Incubators

This range of Prime^{XL} Incubators are the flagship brand of Genlab Incubators. They are built to the highest standards and packed with features and enhancements. As standard, the Prime^{XL} range offers a mirror polished stainless steel interior, increased accuracies and an extended temperature range of 100.0°C. Built around a heavy duty panelled framework, we can offer increased load capability in this range and multiple reinforced shelves. It features our latest touch screen control system which offers intuitive control designed for laboratory and industrial incubators. Optional temperature recording now available on the Prime^{XL} range.

Features

- 8 sizes (250 to 1000 litres - single door design)
- 9 sizes (250 to 1250 litres - twin door design)
- Temperature range (ambient+ 8)°C to 100°C
- Fluctuation +/- 0.15°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
- Increased ramp up / recovery times
- Manual or automatic overheat reset
- High accuracy PT100A duplex sensors <0.6°C
- Fan assisted circulation
- Excellent stability <0.6°C
- Low chamber uniformity
- Heavy duty castor wheels on all models
- Audible warnings
- 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 exterior
- Reinforced total load
- Reinforced shelves (up to 40kg each)
- Double glazed viewing windows
- Inner glass doors (max 70°C)
- Access ports (25, 50, 75 or 100mm)
- Explosion relief panels
- Traceable calibration to national standards
- Bespoke stands and stacking kits
- Extractor unit
- Extended warranty
- Internal lights
- Bespoke solutions available upon request



Design

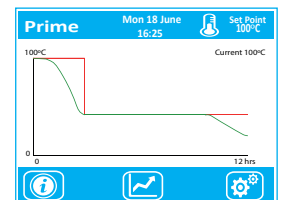
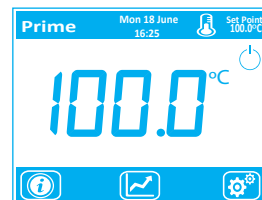
The exterior is constructed around a structural frame and finished with powder coated panels covering heavy duty insulation. The interior chamber is made from 304 mirror polished stainless steel. The units are fitted with fixed shelf runners and removable chrome plated wire grid shelves.

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	PRI/250H/TDIG*	220	54 x 92 x 44	109 x 113 x 68	3.4	1500	230	185
	PRI/350H/TDIG*	320	54 x 92 x 64	109 x 113 x 88	3.4	2000	230	230
	PRI/425H/TDIG	450	76 x 92 x 64	104 x 142 x 88	4.5	2500	230	275
	PRI/500H/TDIG	535	91 x 92 x 64	119 x 142 x 88	5.7	2500	230	320
	PRI/650H/TDIG	645	91 x 92 x 77	123 x 147 x 97	5.7	2500	230	370
	PRI/750H/TDIG	750	106 x 92 x 77	138 x 147 x 97	5.8	2500	230	410
	PRI/850H/TDIG	865	122 x 92 x 77	154 x 147 x 97	5.9	3000	230	445
	PRI/1000H/TDIG	1005	142 x 92 x 77	174 x 147 x 97	5..11	3000	230	515
	PRI/1250H/TDIG	1280	142 x 122 x 74	174 x 177 x 94	5..11	3000	230	580
Vertical with Single Door	PRI/250V/TDIG	240	91 x 51 x 52	118 x 99 x 76	5.7	1500	230	175
	PRI/350V/TDIG	345	91 x 61 x 62	118 x 109 x 86	5.7	2000	230	220
	PRI/425V/TDIG	425	91 x 61 x 77	119 x 111 x 101	5.7	2500	230	265
	PRI/500V/TDIG	535	114 x 61 x 77	142 x 111 x 101	5.9	2500	230	310
	PRI/650V/TDIG	675	114 x 77 x 77	146 x 132 x 97	5.9	2500	230	360
	PRI/750V/TDIG	760	128 x 77 x 77	160 x 132 x 97	5..10	3000	230	400
	PRI/850V/TDIG	840	142 x 77 x 77	174 x 132 x 97	5..11	3000	230	435
	PRI/1000V/TDIG	1005	142 x 77 x 92	174 x 132 x 112	5..11	3000	230	500

*Have base mount HMI

Ordering

All units have a stainless steel interior, forced convection and with a touch screen interface with all the timer features enabled as standard. Where options are required, simply add the option code to the original reference. e.g. **PRI/250H/TDIG** with viewing window and explosion relief panel becomes **PRI/250H/TDIG/VIS/EXP**. Contact sales for bespoke options.

Option Codes

SSE	Stainless Steel Exterior	VIS	Viewing Window	DD	Double Door (Glass)
AP	Access Ports	STAND	Stands	IL	Internal Lights
X1	Extended Warranty	3PC	3 Point Calibration	EXT	External Extraction System
ITL	Integral Temperature Logger	EXP	Explosion Relief Panels	10PRO	10 menu x 8 profile (inc cyclic)