



PRO/250V/TD1G

PRO/850V/TD1G

PRO/1250H/TD1G

# Prime<sup>XL</sup> Ovens

Experience the next generation of industrial oven excellence with Genlab's flagship Prime Range. Engineered to the highest standards, these ovens combine robust design, superior accuracy, and intelligent control for unmatched performance.

Crafted with a heavy-duty stainless steel interior and a fully welded structural framework, the Prime Range delivers exceptional durability, load capacity, and continuous operation up to 300°C. Reinforced shelves ensure stability under demanding conditions, making it the ultimate solution for precision heating applications.

At the heart of every Prime Oven is our advanced touchscreen control system - intuitive, responsive, and purpose-built for industrial environments.

Take control of performance your way with optional smart features like real-time temperature and energy monitoring or variable fan speed control (50-100%), enabling you to optimise efficiency and precision to suit your process.

## Features

- 8 sizes (250 to 1000 litres - single door design)
- 9 sizes (250 to 1250 litres - twin door design)
- Temperature range 50°C to 250°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 PT100A duplex sensors 0.4°C
- Fan assisted circulation
- Excellent stability
- Low chamber uniformity
- Stainless steel chamber
- Audible warnings
- Quick responding
- Heavy duty castor wheels on all models
- 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)
- 300°C continuous temperature ratings
- Stainless steel exterior
- Reinforced total load
- Reinforced shelving (40kg)
- Explosion relief panels
- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to national standards
- Bespoke stands and stacking kits
- Extractor unit
- Extended warranty
- Bespoke solutions available upon request
- 3 phase upgrade for quicker response (standard above 350L versions)
- Fan speed control (50-100%)



## Design

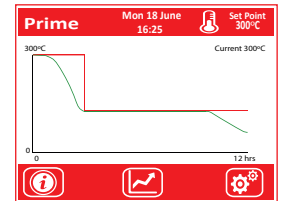
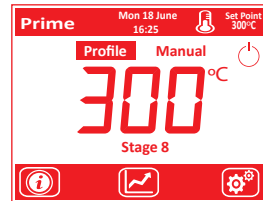
The exterior is constructed around a structural steel frame and finished with powder coated clad panels covering heavy duty insulation. The interior chamber is made from 304 stainless steel and fitted with fixed shelf runners and removable chrome plated wire grid shelves. The vertical style units are 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	PRO/250H/TDIG*	220	54 x 92 x 44	111 x 112 x 68	3..4	3000	230	195
	PRO/350H/TDIG*	320	54 x 92 x 64	111 x 112 x 88	3..4	3000	230	240
	PRO/425H/TDIG	450	76 x 92 x 64	106 x 142 x 88	4..5	4500	415	285
	PRO/500H/TDIG	535	91 x 92 x 64	121 x 142 x 88	5..7	4500	415	330
	PRO/650H/TDIG	645	91 x 92 x 77	129 x 156 x 101	5..7	7500	415	380
	PRO/750H/TDIG	750	106 x 92 x 77	144 x 156 x 101	5..8	7500	415	425
	PRO/850H/TDIG	865	122 x 92 x 77	160 x 156 x 101	5..9	7500	415	460
	PRO/1000H/TDIG	1005	142 x 92 x 77	180 x 156 x 101	5..11	9000	415	530
	PRO/1250H/TDIG	1280	142 x 122 x 74	180 x 186 x 98	5..11	9000	415	600
Vertical with Single Door	PRO/250V/TDIG	240	91 x 51 x 52	120 x 99 x 76	5..7	3000	230	185
	PRO/350V/TDIG	345	91 x 61 x 62	120 x 109 x 86	5..7	3000	230	230
	PRO/425V/TDIG	425	91 x 61 x 77	121 x 111 x 101	5..7	4500	415	275
	PRO/500V/TDIG	535	114 x 61 x 77	144 x 111 x 101	5..9	4500	415	320
	PRO/650V/TDIG	675	114 x 77 x 77	152 x 141 x 101	5..9	7500	415	370
	PRO/750V/TDIG	760	128 x 77 x 77	166 x 141 x 101	5..10	7500	415	415
	PRO/850V/TDIG	840	142 x 77 x 77	180 x 141 x 101	5..11	7500	415	450
	PRO/1000V/TDIG	1005	142 x 77 x 92	180 x 141 x 116	5..11	9000	415	520

\*Have base mount HMI  
Please see product datasheets for dimensional drawings

## Ordering

All units have a stainless steel interior 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. **PRO/1250/TDIG** with extended temperature range and stainless steel exterior **PRO/1250/TDIG/300/SSE**. Contact sales for bespoke options.

## Option Codes

<b>300</b>	Extended Temp 300°C	<b>SSE</b>	Stainless Steel Exterior	<b>AP</b>	Access Ports
<b>SPC</b>	Single Point Calibration	<b>3PC</b>	3 Point Calibration	<b>10PRO</b>	10 menu x 8 profile (inc cyclic)
<b>STAND</b>	Stands	<b>EXT</b>	Extraction Systems	<b>3PH</b>	Phase Upgrade (<350L models only)
<b>FSC</b>	Fan Speed Control	<b>EXP</b>	Explosion Relief Panels	<b>ITL</b>	Integral Temperature Logger