# Genlab Multi-Purpose Large Capacity Ovens

Model Shown - LCO/1250H/TDIG/AWA

Model Shown - LCO/750V/TDIG

The Genlab range of Large Capacity Ovens offers a selection of highly efficient, reliable and cost effective ovens to suit most warming, drying and heat treatment processes. They feature our latest touch screen control system which offers intuitive control and excellent accuracies designed for industrial and laboratory ovens.

## Features

- 8 sizes 250 to 1000 litres (single door design)
- 9 sizes 250 to 1250 litres (twin door design)
- Temp range 50°C to 250 °C
- On screen historical trending (48hours)
- 8 Stage profile control
- Count down 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

## Options

- Stainless steel chamber
- Audible warnings
- 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
- Castor wheels (fitted as standard above 425Lversions)

## 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.
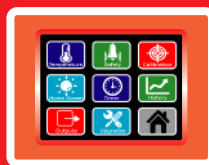The vertical style units are fitted with single doors, the horizontal style units are fitted with twin doors.

## 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

| GenlabReference Number | Capacity (litres) | Internal Dims (H x W x D cms) | External Dims (H x W x D cms) | Shelves/Positions | Wattage | Voltage | Weight (kg) |
|---|---|---|---|---|---|---|---|
| Horizontal Style with Twin Doors... | | | | | | | |
| LCO/250H/TDIG | 220 | 54 x 92 x 44 | 94 x 109 x 57 | 3..4 | 2000 | 230 | 96 |
| LCO/350H/TDIG | 320 | 54 x 92 x 64 | 94 x 109 x 77 | 3..4 | 2500 | 230 | 125 |
| LCO/425H/TDIG | 450 | 76 x 92 x 64 | 107 x 144 x 81 | 4..5 | 3000 | 230 | 140 |
| LCO/500H/TDIG | 535 | 91 x 92 x 64 | 127 x 144 x 81 | 5..7 | 3000 | 230 | 180 |
| LCO/650H/TDIG | 645 | 91 x 92 x 77 | 127 x 160 x 95 | 5..7 | 6000 | 415 | 300 |
| LCO/750H/TDIG | 750 | 106 x 92 x 77 | 142 x 160 x 95 | 5..8 | 6000 | 415 | 320 |
| LCO/850H/TDIG | 865 | 122 x 92 x 77 | 158 x 160 x 95 | 5..9 | 6000 | 415 | 340 |
| LCO/1000H/TDIG | 1005 | 142 x 92 x 77 | 178 x 160 x 95 | 5..11 | 6000 | 415 | 360 |
| LCO/1250H/TDIG | 1280 | 142 x 122 x 74 | 178 x 190 x 95 | 5..11 | 6000 | 415 | 390 |
| Vertical Style with Single Door... | | | | | | | |
| LCO/250V/TDIG | 240 | 91 x 51 x 52 | 117 x 98 x 69 | 5..7 | 2000 | 230 | 90 |
| LCO/350V/TDIG | 345 | 91 x 61 x 62 | 117 x 108 x 79 | 5..7 | 2500 | 230 | 120 |
| LCO/425V/TDIG | 425 | 91 x 61 x 77 | 127 x 113 x 94 | 5..7 | 3000 | 230 | 150 |
| LCO/500V/TDIG | 535 | 114 x 61 x 77 | 150 x 113 x 94 | 5..9 | 3000 | 230 | 165 |
| LCO/650V/TDIG | 675 | 114 x 77 x 77 | 150 x 145 x 95 | 5..9 | 6000 | 415 | 280 |
| LCO/750V/TDIG | 760 | 128 x 77 x 77 | 164 x 145 x 95 | 5..10 | 6000 | 415 | 300 |
| LCO/850V/TDIG | 840 | 142 x 77 x 77 | 178 x 145 x 95 | 5..11 | 6000 | 415 | 320 |
| LCO/1000V/TDIG | 1005 | 142 x 77 x 92 | 178 x 145 x 110 | 5..11 | 6000 | 415 | 340 |

## 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. LCO/1250/TDIG with stainless steel interior and audible alarm becomes LCO/1250/TDIG/SS/AWA.
Contact sales for bespoke options.

## Option Codes

Stainless Steel Chamber - SS
Access Ports -AP
Extractor Systems - EXT

Audible Warning - AWA
Traceable Calibration - SPC
Extended Warranty - X1

Explosion Relief Panels - EXP
Stands/Stacking Kits - STAND
Castor Wheels (250 - 350 models only) - 1108

# WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.