

Genlab Dual Purpose Benchtop Ovens / Incubators



Model Shown - DP/100/TDIG/F



Model Shown - MINIS/50/TDIG/F

The Genlab range of Dual Purpose Ovens / Incubators combine the advantage of two temperature ranges in the same unit. Using bespoke firmware designed specifically for this chamber size, and a calibration class temperature sensor, we can offer accurate control up to 250.0 °C without temperature overshoot. The same chamber can also maintain a steady 30.0°C* constant temperature by simply adjusting the set point. Available in a variety of sizes and designed with both side or base mounted displays to suit your exact needs.

Features

- 10 sizes 6 to 200 litres (base mount controller design)
- 6 sizes 50 to 200 litres (side mount controller design)
- Temp range *(Ambient+8°C) to 250.0°C
- Resolution 0.1°C
- On screen historical trending (48hours)
- Manual or automatic overheat reset
- High accuracy Pt100A duplex sensors <0.6 °C
- Excellent stability <+/- 0.6 °C
- Low chamber uniformity

Options

- Fan assisted circulation (not available <30L)
- Stainless steel chamber
- 8 Stage profile control
- Count down timer
- 24/7 real time clock operation
- Access ports (25, 50, 75 or 100mm)
- Audible warnings
- Traceable UKAS calibration certificate
- Bespoke stands and stacking kits
- Extractor unit
- Extended warranty
- Explosion relief panels (DP style only)
- Bespoke solutions available upon request



Design

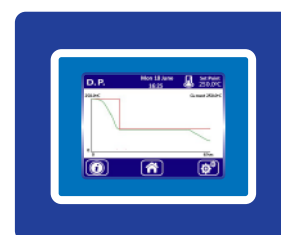
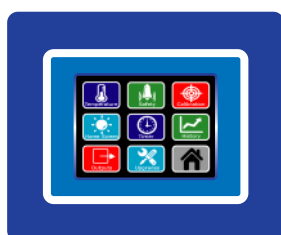
The exterior is constructed from sheet steel and finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD), with a stainless steel chamber available as an option. They are fitted with fixed shelf runners and removable chrome plated wire grid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

Heating

Heated by Incoloy sheathed elements positioned in the base of the oven on all natural convection ranges. Fan assisted ranges have elements on the rear on base mount designs and in the side on side mount designs.

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) | Natural Convection | | Fan Assisted Circulation | | Shelves /Positions | Wattage | Weight (kg) |
|-------------------------|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------|---------|-------------|
| | | Internal Dims. (H x W x D cms) | External Dims. (H x W x D cms) | Internal Dims. (H x W x D cms) | External Dims. (H x W x D cms) | | | |
| Base Mount Designs... | | | | | | | | |
| MINIS/6/TDIG | 6 | 15 x 23 x 19 | 39 x 32 x 33 | N/A | N/A | 1..1 | 350 | 16 |
| MINIS/18/TDIG | 18 | 26 x 26 x 27 | 52 x 38 x 41 | N/A | N/A | 1..1 | 500 | 21 |
| MINIS/30/TDIG | 30 | 24 x 36 x 35 | 56 x 50 x 49 | 24 x 36 x 31 | 56 x 50 x 62 | 2..2 | 750 | 30 |
| MINIS/40/TDIG | 40 | 32 x 36 x 35 | 64 x 50 x 49 | 32 x 36 x 31 | 64 x 50 x 62 | 2..3 | 750 | 35 |
| MINIS/50/TDIG | 53 | 33 x 49 x 33 | 65 x 63 x 47 | 33 x 49 x 29 | 65 x 63 x 59 | 2..3 | 750 | 45 |
| MINIS/75/TDIG | 73 | 33 x 49 x 45 | 65 x 63 x 60 | 33 x 49 x 41 | 65 x 63 x 72 | 2..3 | 1000 | 55 |
| MINIS/100/TDIG | 99 | 45 x 49 x 45 | 77 x 63 x 60 | 45 x 49 x 41 | 77 x 63 x 72 | 3..4 | 1000 | 60 |
| MINIS/125/TDIG | 121 | 55 x 49 x 45 | 87 x 63 x 60 | 55 x 49 x 41 | 87 x 63 x 72 | 3..5 | 1500 | 65 |
| MINIS/150/TDIG | 143 | 55 x 49 x 53 | 87 x 63 x 68 | 55 x 49 x 49 | 87 x 63 x 80 | 3..5 | 1500 | 70 |
| MINIS/200/TDIG | 180 | N/A | N/A | 75 x 49 x 49 | 107 x 63 x 80 | 4..7 | 2000 | 80 |
| Side Mount Designs... | | | | | | | | |
| DP/50/TDIG | 58 | 42 x 40 x 35 | 58 x 73 x 48 | 45 x 36 x 35 | 58 x 73 x 48 | 2..3 | 750 | 35 |
| DP/75/TDIG | 78 | 42 x 53 x 35 | 58 x 85 x 48 | 45 x 49 x 35 | 58 x 85 x 48 | 2..3 | 1000 | 45 |
| DP/100/TDIG | 102 | 42 x 53 x 46 | 58 x 85 x 59 | 45 x 49 x 40 | 58 x 85 x 59 | 3..4 | 1000 | 55 |
| DP/125/TDIG | 126 | 52 x 53 x 46 | 69 x 85 x 59 | 55 x 49 x 46 | 69 x 85 x 59 | 3..5 | 1500 | 65 |
| DP/150/TDIG | 149 | 52 x 53 x 54 | 69 x 85 x 67 | 55 x 49 x 54 | 69 x 85 x 67 | 3..5 | 1500 | 70 |
| DP/200/TDIG | 198 | N/A | N/A | 75 x 49 x 54 | 89 x 85 x 67 | 4..7 | 2000 | 90 |

* Note, useable internal capacity is reduced with fan assisted circulation

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. MINIS/50/TDIG with forced convection and stainless steel chamber becomes MINIS/50/F/TDIG/SS.

Contact sales for bespoke options.

Option Codes

Fan Assisted Circulation - F

Stainless Steel Chamber - SS

3 Stage Advanced Timer - TIM

Access Ports - AP

Audible Warning - AWA

Single Point Calibration - SPC

Temp Uniformity Surveys - TUS

Extraction Systems - EXT

Extended Warranty - X1

Explosion Relief Panels (DP style only) - EXP