

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 (fan assisted)
- Low chamber uniformity
- Energy efficient with integral energy meter
- New - Set point lock feature

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 calibration to national standards
- Bespoke stands and stacking kits
- Extractor unit
- Extended warranty
- Explosion relief panels (DP style only)
- Bespoke solutions available upon request
- 10 Menu x 8 Stage Profile (& Cyclic control)



Design

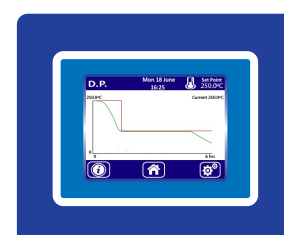
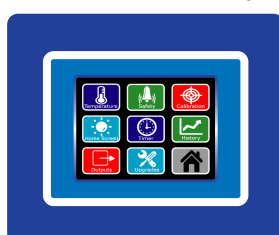
The exterior is constructed from sheet steel and finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD), with a stainless steel chamber available as an option. They are fitted with fixed shelf runners and removable chrome plated wire grid 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	46 x 35 x 33	N/A	N/A	1..1	350	16
MINIS/18/TDIG	18	26 x 26 x 27	55 x 38 x 41	N/A	N/A	1..1	500	21
MINIS/30/TDIG	30	24 x 36 x 35	51 x 48 x 49	24 x 36 x 31	51 x 48 x 63	2..2	750	30
MINIS/40/TDIG	40	32 x 36 x 35	54 x 48 x 49	32 x 36 x 31	54 x 48 x 63	2..3	750	35
MINIS/50/TDIG	53	33 x 49 x 33	66 x 63 x 47	33 x 49 x 29	66 x 63 x 61	2..3	750	45
MINIS/75/TDIG	73	33 x 49 x 45	66 x 63 x 60	33 x 49 x 41	66 x 63 x 74	2..3	1000	55
MINIS/100/TDIG	99	45 x 49 x 45	78 x 63 x 60	45 x 49 x 41	78 x 63 x 74	3..4	1000	60
MINIS/125/TDIG	121	55 x 49 x 45	88 x 63 x 60	55 x 49 x 41	88 x 63 x 74	3..5	1500	65
MINIS/150/TDIG	143	55 x 49 x 53	88 x 63 x 68	55 x 49 x 49	88 x 63 x 82	3..5	1500	70
MINIS/200/TDIG	180	N/A	N/A	75 x 49 x 49	108 x 63 x 84	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

Access Ports - AP

Single Point Calibration - SPC

Extraction Systems - EXT

Stainless Steel Chamber - SS

3 Stage Advanced Timer - TIM

3 Point Calibration - 3PC

Extended Warranty - X1

Audible Warning - AWA

10 Menu x 8 Profile (inc Cyclic) - 10PRO

Temp Uniformity Surveys - TUS

Stacking Kits - STACK

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