Genlab

SD0/225/TDIG

SD0/425/TDIG

SD0/1000/TDIG

Soil Drying Ovens

The Genlab range of Soil Drying Ovens offers a selection of highly efficient, reliable and cost effective units to suit most material testing requirements.

These range of ovens are designed for drying large quantities of soils and aggregate samples and maintains temperature in accordance with BS EN and ASTM requirements. They feature our latest touch screen control system, which offers intuitive control and excellent accuracies designed for soil drying ovens. Optional temperature recording now available on the S.D.O. range.

Features

- 4 sizes (225 to 1000 litres)
- Temp range: 40ºC to 180ºC (225 and 425 models)
- Temp range: 60ºC to 200ºC (750 and 1000 models)
- 3.2 in touch screen control
- On screen historical trending (48 hours)
- Auto reset overheat protection
- Fan assisted circulation
- Excellent stability (<1.0ºC)
- Low temperature uniformity
- Energy efficient with integral energy meter
- New - set point lock feature
- Selectable HMI languages

Options

- Integral Temperature Logger with reporting firmware
- 8 stage profile control
- Countdown timer
- 24/7 real time clock operation
- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to national standards
- Extended warranty
- Reinforced shelves (upto 40kg)
- Thermostatic control available upon request

2 YEARS WARRANTY

nqa. ISO 9001 QUALITY MANAGEMENT

UKAS MANAGEMENT SYSTEMS 015
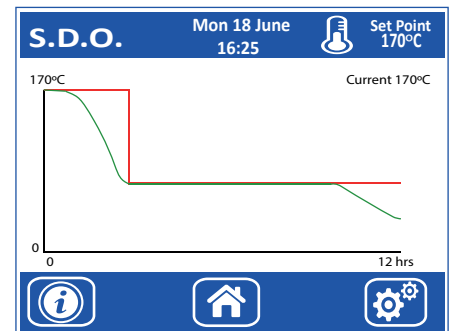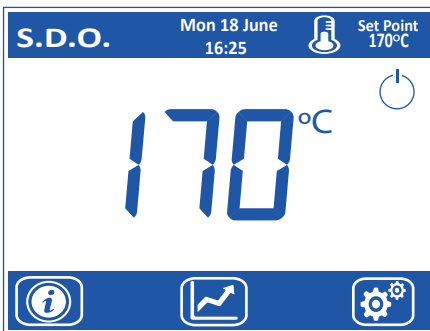
Made in Britain

Design

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

Heating

Heated by Incoloy sheathed elements which are positioned in either the base or side of the unit. Fresh air is entered into the oven and passed across the heating element and into the chamber. Air is then continuously circulated around the chamber with around 15% expelled through the top vent, which is replaced with the incoming air.

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 two 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	Element Rating (KW / V)	Weight (kg)
SDO/225/TDIG	210	54 x 93 x 42	94 x 106 x 57	3..4	2 / 230	96
SDO/425/TDIG	445	76 x 92 x 64	97 x 141 x 81	4..5	3 / 230	130
SDO/750/TDIG	750	106 x 92 x 77	142 x 157 x 95	5..8	6 / 415	320
SDO/1000/TDIG	1005	142 x 92 x 77	178 x 157 x 95	5..11	6 / 415	360

Ordering

All units have CLAD interior with 3.2 in touch screen control as standard. Where options are required, simply add the option code to the original reference. e.g. **SDO/225/TDIG** with timer and access port becomes **SDO/225/TDIG/TIM/AP**. Contact sales for bespoke options.

Option Codes

TIM	3 Stage Advanced Timer	**AP**	Access Ports	**SPC**	Single Point Calibration
3PC	3 Point Calibration	**X1**	Extended Warranty	**RS**	Reinforced Shelves
ITL	Integral Temperature Logger				