Genlab Soil Drying Ovens

SDO/225

SDO/1000

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.

Features

- 4 Sizes 225 to 1000 litres
- Temperature range: 40°C to 180°C (225 and 425 models)
- Temperature range: 60°C to 200°C (750 and 1000 models)
- 3.2in touch screen control
- On screen historical trending (48hours)
- Auto reset overheat protection
- Fan assisted circulation
- Excellent stability (<1.0 °C)
- Low temperature uniformity

Options

- 8 stage profile control
- Count down 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

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).

Fitted with fixed shelf runners and removable chrome plated wire grid shelves.

Heating

Heated by Incoloy sheathed elements positioned in the 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 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.
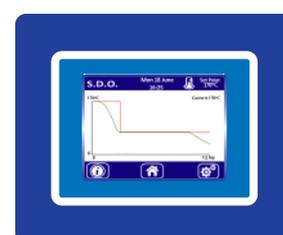
Sizes and Specifications

Genlab ref. Number	Capacity (litres)	Internal Dimensions H x W x D cm	External H x W x D cm	No. of 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 3.2in 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

3 Stage Advanced Timer - TIM
Extended Warranty - X1

Access Ports - AP
Reinforced Shelves - RS

Traceable Calibration - SPC