



# Material Testing Ovens

The Genlab range of Material Testing Ovens offers a selection of highly efficient, reliable and cost effective units to suit most material testing requirements. It is an ideal general purpose oven.

This range is available with 'simple to use' thermostatic operation, or, with Genlab's latest touch screen control system which offers intuitive control. Both control systems offer excellent accuracies designed for material testing applications.

## Features

- 3 sizes (50 to 150 litres)
- Temperature range: 40°C to 250°C
- Excellent stability (<1.0°C)
- Fan assisted circulation
- Low temperature uniformity

### Thermostat features

- Easy to use thermostatic control
- Independent overheat thermostat

### Touch screen features

- 3.2in touch screen PID interface control
- On screen historical trending (48 hours)
- Manual overheat control
- Selectable HMI languages

## Options

- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to national standards
- Bespoke stands or stacking kits
- Extended warranty

### Additional options for touch screen version

- 8 stage profile control
- Countdown timer
- 24/7 real time clock operation



## 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.

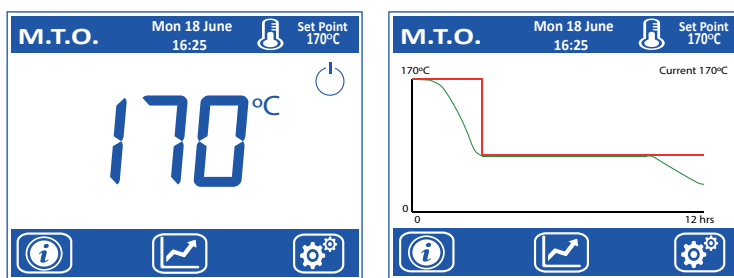
## Heating

Heated by Incoloy sheathed elements positioned in the rear of the unit. Air is entered into the rear of the unit, passed across the heating element and into the chamber.

## Controls

Available with 2 options, thermostatic or touch screen digital interface. Thermostatic control comprises of a direct reading thermostat and overheat thermostat, both with calibrated scales and tamper proof locks. They also include a mains switch with heating and overheat lamp indicators. Touch screen option offers both accurate temperature control and an integral overheat system by using 2 individual PT100 sensors. Oven trending is displayed for up to 48 hours and oven status is shown on the 3.2 in colour screen. Advanced timer options are available in this model.

Digital Touch Screen Control



Thermostatic Control



## Sizes and Specifications

Genlab Reference Number	Capacity (litres)	Int. Dimensions (H x W x D cm)	Ext. Dimensions (H x W x D cm)	Shelves / Positions	Element Rating Wattage	Weight (kg)
Digital Touch Screen Control						
MTO/50/F/TDIG	47	33 x 49 x 29	60 x 61 x 64	2..3	1000	45
MTO/100/F/TDIG	90	45 x 49 x 41	72 x 61 x 77	3..4	1250	60
MTO/150/F/TDIG	132	55 x 49 x 49	82 x 61 x 85	3..5	1750	70
MTO/200/F/TDIG	180	75 x 49 x 49	102 x 61 x 85	4..7	2250	80
Thermostatic Control						
MTO/50/F	47	33 x 49 x 29	59 x 61 x 64	2..3	1000	45
MTO/100/F	90	45 x 49 x 41	71 x 61 x 77	3..4	1250	60
MTO/150/F	132	55 x 49 x 49	81 x 61 x 85	3..5	1750	70
MTO/200/F	180	75 x 49 x 49	101 x 61 x 85	4..7	2250	80

## Ordering

All units have CLAD interior with either thermostat or touch screen interface as standard. Where options are required simply add the option code to the original reference. e.g. MTO/100/F/TDIG with timer and access ports becomes MTO/100/F/TDIG/TIM/AP . Contact sales for bespoke options.

## Option Codes

AP	Access Ports	SPC	Traceable Calibration	STACK	Stacking Kits
X1	Extended Warranty	TIM	3 Stage Advance Timer (TDIG models only)	STAND	Stands