



innovative solutions

Laboratory Ageing Test Oven SSI - 502 D With Separate Air temperature and Turbulence



Thermoplastic and electrometric substances when exposed to heat undergo many types of physical and chemical changes. The extent and type of change that takes place depends upon the severity of exposure of the sample to heat (i.e., temp. range), duration and rate of air flow. This test makes an assessment of change in Tensile Strength and Elongation of the material on subjecting them to accelerated ageing in hot air.

Each Cell is a complete instrument in itself i.e., fitted with individual Temp. Indicating Controller, Air Flow Meter, Air temperature controller and an Hour Meter. This enables the user to test different type of samples at desired temperature and duration, depending upon test requirement of end users & testing authorities.

The instrument consists of the following:

- ✚ A double walled chamber with inside chamber of thick aluminum sheet.
- ✚ Size of the chamber is 100 mm dia. x 300mm ht.
- ✚ Jacket type heater for the chamber.
- ✚ Digital Temp. Indicating Controller with sensor. Temp. range $0-200 \pm 2$ °C.
- ✚ Digital Flow meter for controlling the volume of air passing through the chamber.
- ✚ Air inlet nozzle for the airline or air compressor.
- ✚ Specially Designed heaters to heat the air before it enters the cell
- ✚ Separate temperature controllers for air temperature control
- ✚ Air turbulence fan with motor to rotate at 60 RPM
- ✚ Specially designed split top cover to hold three to five test samples in each chamber.
- ✚ Hour Meter to record the total time of test.



(Actual instrument may differ from the photograph due to regular improvements)

S.S. INSTRUMENTS

An ISO 9001:2008 Company

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