



HD-E801 OZONE AGING TEST CHAMBER

Product information:

To evaluate crack and the time until the occurrence of crack and the maximum tensile load strain by exposing dynamic and static test pieces to the air containing artificially-generated low concentration ozone to measure deterioration of vulcanized rubber by the atmospheric ozone.



Chamber Structure/Features:

- Internal material adopts high quality mirror stainless steel for ozone resistance.
- Insulation material: high-density glass fiber.
- Use long axial fan motor and high and low temperature resistant aluminum alloy wing type wind turbines to force vertical air circulation.
- Chamber door adopts double layer high and low temperature resistant silicone seal ensure the airtight test area.
- Chamber bottom has high quality caster for convenient move. 6, Observation window uses multilayer hollow tempered glass.
- Exhaust system: exhaust the high concentration ozone from the test chamber to avoid to poison.
- Optional: Built-in 360 degree rotation sample holder, including 3 sets static tensile fixture and 3 sets dynamic tensile fixture.

Control System:

- With imported micro-computer LCD controller to control the temperature.
- PID control.
- With auto calculation function to reduce the setting inconvenience.
- Heater: fin type radiator pipe nickel-chromium alloy u-shaped heater, auto calculate with high accuracy PID + SSR control.
- Temperature measurement: SUS#304, PT 100.



Standards Features:

Model	HD-E801-100	HD-E801-150
Internal dimension (WxDxH)	400x500x500 mm	500x600x500 mm
External dimension (WxDxH)	900x970x1600 mm	1000x1000x1750 mm
Temperature range	RT+10~ 80°C (suggest to use 40°C ± 2°C)	
Temperature Fluctuation	±0.5°C	
Humidity range	30%~85%RH	
Humidity fluctuation	±3%RH	
Ozone concentration	50~1000 pphm ±10%, adjustable	
Sample holder	SUS#304 stainless steel	
Temperature controller	Programmable touch screen controller	
Ozone concentration analysis	Concentration analysis meter	
Ozone generator	High pressure silence discharge type	
Protection system	Leakage, short circuit, over temperature, over heat	
Test criteria	ASTM D1149, ISO 1431	

Turntable Sample Holder With Tensile Fixture:

