



1. Application s:

Ozone resistance device is used for do antioxidant test for rubber and rubber products to meet the relevant standards: JIS K 6259 ASTM1149 ISO1431 GB / T7762 GB / T13642, etc.

2. Performance:

Ozone concentration: 50~ 1000 pphm

Ozone concentration deviation: GB 10%

Test compartment temperature: Room temperature ~ +60 °C

Temperature uniformity: ± 2 °C

Relative humidity: over measurement range 60%

Sample holder rotation speed: 0 ~ 50 mm/s

Dynamic pulled frequency: 0.5Hz; new sample holder (each fixture can be installed to meet the test of tensile dumbbell type I and the actual work piece)

Test gas flow: 0-80L / min.

5. Machine size and model:

size model	Inner box size(WXDXH)	Carton size(WXDXH)
SM-150CY	500X500X600mm	1250X950X1550mm

6. Performance index:

Temperature range	25°C~60°C
Ozone concentration	50~1000pphm or 100~300ppm
Temperature fluctuation	±0.5°C
Ozone control precision	±10%
Sample frame speed	360 Rotate the sample frame (Rev. 1 RPM).

7. Control system :

Controller	Color LCD touch screen controller
Time Unit	H. M. S. selectable up to 9999h
Ozone concentration analysis	Inlet concentration analysis regulator, 4 ~ 20mA output
Ozone generator:	high voltage silent discharge point tube
Acquisition system	imports of South Korean imports of programmable controllers, measuring module
Heating system:	completely independent systems, nickel-chromium alloy electric heating water heater
Ozone concentration	the British ozone concentration sensor with a standard signal output and sampling
Ozone generator	silent discharge type ozone generator has a low noise and high purity

8. Equipment preparation and structure characteristics

1. Air circulation device: built-circulation duct, test gas flow evenly from top to bottom parallel to the specimen surface, in line with the national standard.
2. The use of integrated ozone concentration & temperature controller (setting mode for the touch of a button type), high integration, good reliability, LED display, display resolution temperature (0.1 °C), humidity (0.1% RH), ozone concentration (1pphm), PID setpoint control, easy to operate.
3. Electromagnetic air pump to provide quality air, oil-free dry gas system to ensure the reliability of long-term work.

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