



# Automatic Ozone Environment Test Chamber



# **FF** OZONE TEST CHAMBER

## Technical Specification

### Exposure Chamber

- Dimensions 500 x 500 x 600 (150L).
- Ozonised Air Flow 50-300L / min.
- Maximum of 2 air changes / min.
- Internal circulation fan to ASTM D1149.600 mm / sec. (2feet / sec).
- Test Chamber Illumination.
- Closed loop circulation.

### Test Sample Piece Carrier

- Static test piece carrier
  - \* 5 sample frames of variable, adjustable strain.
  - \* Rotating Carrier 1 Rev / 5mins with spin movement fo each frame.
- Dynamic test piece carrier.
  - \* 8 samples frame.
  - \* Adjustable strain 5%, 10%, 15%, 20%, 25%, 40% & 60%
  - \* Operating frequency 0.5 HZ

### Temperature / Humidity Range

- Operating range ambient +5° + 70°C.
- Control accuracy ± 1°C.
- Humidity : 10 90% (Control optional extra)

### Ozone Concentration

- Operational range measured in pphm 25 200. (UP TO 10PPM OPTIONAL EXTRA)
- Ozone generation through UV Lamp.
- Ozone recovery after sample insertion within 10 minutes.

### Ozone Measurement

- UV absorption Analyzer
- Measurement accuracy ± 2 pphm.
- Control accuracy ± 10% of set point.

### HMI Control, Recording & Reporting

- Touch Button Operation.
- HMI display of Ozone / Temp / Humidity.
- PLC Control

### Dimensions

- Main Chamber: width1000 x Height 1500 x Depth 1000 mm
- Computer System Cabinet Mounted.

Specification Standard  
ISO 1430-1 AND 2 : 1989 (E)



Web: [www.ffinstruments.com](http://www.ffinstruments.com)

## Future Foundation

Works : 35 km. Stone, G.T. Karnal Road. Village Rasoi, District  
Sonepat - 131029, Haryana INDIA

Office : A-112, Gujranwala Town, Part-I, Delhi-110009, INDIA  
Mob. : +91 9810068112