

OZONE TEST CHAMBER

Model
OTC-T

Now With
HMI/ SCADA
As Standard
Options



*Colorfastness Testing System as per AATCC TM-109
(Optional: as per AATCC TM-129/ ISO 105-G03)*

FEATURES:

- ◆ Highly accurate UV Absorption based ozone measurement method
- ◆ Fully automatic programmable with optional Temperature, Humidity & Climate Control System
- ◆ Excellent repeatability and Control Accuracy
- ◆ Closed Loop Fuzzy Logic Control System ensures highly stable ozone concentration level
- ◆ Built in Safety interlocks with built in Ozone Destruct System for environmentally safe operation
- ◆ Calibration traceable to NIST

APPLICATIONS:

- ◆ Testing for colorfastness of Textile material
- ◆ Meets AATCC-109 Test Standard
- ◆ Others

The model OTC Test chamber is designed to test fabrics for colorfastness of AATCC-109. The OTC consists of four integrated modules: Ozone, Temperature* and Humidity* Monitoring and Controlling Module, Ozone Generating Module, Test Chamber Module, Safety Interlocks Modules.

The Ozone monitoring and ozone generating module work together via Closed Loop Fuzzy Logic Control System to provide highly stable ozone concentration over the range of 0 to 10 ppm for the entire test duration. The OTC can be programmed for ozone concentration, test start time and test duration. During the test user intervention is not required, the closed loop servo control system automatically ensures the programmed Ozone concentration required for the duration of the test.

The test chamber module is constructed of stainless steel and fitted with a carousel that accommodates up to 24 fabrics test specimens. The chamber is provided with a door with a glass-viewing window and completely sealed for environmentally safe operation.

The safety interlocks module automatically shuts down to ozone generator whenever the test chamber door is open and also has built in Ozone Destruct System.

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Ozone Analyzer From: IN USA INC./ 2B TECHNOLOGIES INC./TELEDYNE API
UV based, High Precision, Made in USA.

2B Technologies

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OZONE TEST CHAMBER

MODEL
OTC-T

SYSTEM SPECIFICATIONS

Description	Model OTC-T "Ozone Test Chamber Textile Testing"
Application	Test of colorfastness to Ozone on Textile Materials
Test Samples	As per AATCC-109 Test Standard, 24 Numbers
Ozone Concentration Levels	0 to 10 ppm
Ozone Concentration Stability	± 0.5 ppm/ $\pm 5\%$ FSO in standard room conditions
Measurement resolution	0.01 PPM for over all 0- 10 PPM Range
Test Duration	User programmable up to 999 hours and 59 minutes
Display	Bright LED and LCD alpha numeric
Electrical	220 \pm 10 % VAC, 60/50 Hz
Fuses	0.75 A
Dimensions	525 (L) x 525 (W) x 525 (H) mm approx.
Safety	Over current, Transient Voltage suppression
Comm. Interface:	RS 232 standard/ RS-485 Optional
Temperature Range *:	As per AATCC-129 Test Method
Humidity Range *:	As per AATCC-129 Test Method

In built SCADA- Supervisory Control and Data Acquisition

*Optional: also Available, Tailor made Climatic Control. Ozone Test Chamber can be made meeting your requirement of Chamber size, Air Changes, Temperature and humidity range.

NOTE: Specifications and features will vary with application. All specifications and features are subject to change without notice. All specifications are based on constant conditions. Images for representational purpose only.

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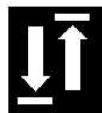
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