



OPERATIONS MANUAL

Model 1000 & 2000 & 4000

International Ozone Technologies Group, Inc.



Important Safeguards

- Do not operate equipment before reading and familiarizing yourself with all instructions, procedures, cautions and warnings contained in this manual.
- Save these instructions for later reference
- Follow all warnings and cautions marked on the product and contained herein.
- Do not use this product near water or in a moist environment.
- Operate equipment only with the correct electrical power specified on the backside of the case.
- Do not attempt to service this product yourself as opening or removing the enclosure may expose you to dangerous voltage or other hazards.
- Do not put foreign objects inside the equipment.
- Do not operate equipment with a damaged cord or plug, if fans fail to rotate, after the equipment malfunctions or if it has been dropped or damaged in any manner. Return equipment to manufacturer for examination, electrical or mechanical adjustment or repair. (See warranty for information.)
- Do not block air flow through equipment. Set equipment at least 6 inches from walls or any structure that could block the air intake.
- Do not use equipment in a flammable or explosive atmosphere.
- Do not run cord under carpeting. Do not cover cord with throw rug, runner, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

Titan Warnings And Precautions

Caution:

As with all electrical devices this equipment should not be operated in a wet or damp environment.

This equipment should only be operated using a properly grounded electrical outlet.

International Ozone Technologies Group, Inc. assumes no liability for damages or injuries incurred by misuse of this equipment.



Theory of Operation

UV Rays in the 365 to 385 nanometer wavelength, which are safe to look at and let shine on your skin, are emitted from Titan's TiO₂ Photocatalytic Lamp and shine on the 23" Nano TiO₂ Coated Super Reactor Screen. As a result, electron hole pairs are formed that react with H₂O and O₂ in the air and produce free electrons, hydroxyl radicals and hydrogen peroxide that when dispersed by the fan will decompose organic and inorganic gases and air pollutants into carbon dioxide and water.

Titan will produce larger amounts of purifying agents when used in high humidity situations.

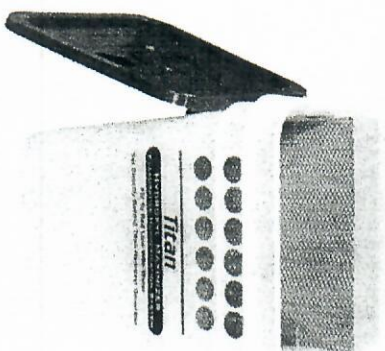
Titan is safe to use at any time with or without people or animals in the treatment area.

NOTE: 60%+ humidity is required for optimum performance.

Operational Tip:

60%+ humidity is necessary for the maximum amount of OH & H₂O₂ to be produced.

Titan Hydroxyl Maximizer Evaporative Humidifiers hold enough water to run 5 to 7 days.



Evaporative Maximizer



General Use Guidelines

Determine the source of the odor and remove any odor causing substance that can be found.

Determine the size of the area that will be purified or deodorized. Multiply the width by the length by the height to determine the total cubic feet of the area.

The following suggestions are general. The actual time it will take to remove an odor or to purify an area depends on many variables such as pollutant load, temperature, humidity, etc.

Examples for 1000 cubic feet (100 Square feet with 10 foot ceilings) with lite to moderate odor:

Titan 1000 = 4 Hours

Titan 2000 = 2 Hours

Titan #4000 = 1 Hour

As stated above, these are just general guidelines. In some cases you will have to go longer and in other cases you will go shorter. Once you have become experienced with using your Titan for odor removal you will be able to determine the treatment times from your past experiences.

Set your Titan anywhere in the area to be treated and turn it on.



Applications for Titan's Use

Adult Day Care Centers & Nursing Homes
 Air Conditioning Contractors
 Apartment Complexes
 Auto Dealerships
 Auto Detailers
 Automobile Rentals
 Beauty Parlors & Nail Salons
 Bowling Alleys
 Bus Lines
 Business Opportunity
 Businesses
 Carpet Cleaners & Installers
 Chemical Supply
 Child Care Centers
 Cocktail Lounges & Bars
 Condominium Associations
 Country / Golf Clubs
 Cruise Ships
 Doctors, Dentist & Chiropractors and Medical Clinics
 Dry Cleaners
 Duct Cleaning Companies
 Equipment Rental Companies
 Fire & Water Damage Restoration
 Florists
 Funeral Homes
 Garbage/Dumpsters Rooms
 Grocery Stores, Meat Markets and Fish & Seafood Markets
 Health Clubs & Gyms
 Home Owners
 Hotels
 Insurance Companies
 Janitorial Companies
 Janitorial Supply
 Karate Studios
 Limousine Services
 Marinas / Boats
 Motorhome / Recreational Vehicle Rentals
 Movie Theaters
 Painting Contractors
 Pest Control Companies
 Police Departments
 Pool Supply Companies
 Print Shops
 Public Rest Rooms
 Realtors
 Restaurants
 Schools
 Sick Building Syndrome
 Trucking Companies
 Vegetable & Fruit Preservation
 Warehouse / Storage Facilities

Trouble Shooting

<i>Problem</i>	<i>Possible Cause</i>	<i>Remedy</i>
Unit does not turn on	Power Cord Not Plugged In Circuit Breaker In Building Tripped Faulty Power Outlet Fuse or Circuit Breaker is Blown On back Of Unit	Plug Power Cord Into Suitable Outlet With Correct Voltage Reset Circuit Breaker At Panel Box Try Another Outlet Replace Fuse Or Reset Circuit Breaker
Unit Keeps Tripping Circuit Breaker	Electrical Short Circuit	Return Unit To Manufacturer For repair