STERIS
Life Sciences

VHP® TS1000™ TRI-SCALE SENSOR

APPLICATION

The STERIS VHP *TS1000* Tri-Scale Sensor is designed to provide Enclosure temperature, percent relative humidity and Vaprox® Hydrogen Peroxide Sterilant concentration to VHP® Biodecontamination Units to boost cycle efficiency and effectiveness in Biodecontamination* of clean, dry, sealed Enclosures.†

* *When using VHP® Biodecontamination Systems with Vaprox Hydrogen Peroxide Sterilant in the United States, the term Biodecontamination referred to in this document is defined as sterilization of exposed porous and non-porous surfaces in a precleaned, dry, sealed Enclosure. Any reference to Biodecontamination pertaining to the use of this equipment in the United States does not, and is not intended to convey, additional claims of effectiveness beyond those contained in the Environmental Protection Agency (EPA) registered labeling of Vaprox Hydrogen Peroxide Sterilant (EPA Reg. No. 58779-4).*

† *Contained area to be Biodecontaminated (e.g., rooms, facilities and equipment).*

DESCRIPTION

Portable and rugged, *TS1000* Tri-Scale Sensors are used with VHP Biodecontamination Units operating with SmartPhase™ (US Patent No. 8007717) software control technology to monitor environmental conditions and to shorten Biodecontamination Cycles through elimination of Dehumidify and Conditioning Phases.

The *TS1000* Tri-Scale Sensor can be linked via a control cable directly to a STERIS Biodecontamination Unit (e.g., VHP® *VICTORY*™ Biodecontamination Unit‡). For larger Enclosures, up to three *TS1000* units can be linked to a Biodecontamination Unit.

‡ *STERIS VHP Biodecontamination Units are only to be operated by Trained and Certified Applicators who have successfully completed both the STERIS Training and Certification Course for applicators of Vaprox Hydrogen Peroxide Sterilant and the pertinent VHP Biodecontamination System Operator Course. Certification must be active and in force for all Applicators of Vaprox Hydrogen Peroxide Sterilant.*

STANDARDS

The VHP *TS1000* Tri-Scale Sensor meets the applicable requirements of the following standards:

- **Underwriters Laboratories (UL): UL61010-1 Second Edition** as certified by Intertek Testing Services NA Inc.
- **Canadian Standards Association (CSA): Standard C22.2 No. 61010-1 Second Edition**.
- Governing Directives for Affixing the CE Mark:
  - » **EMC Directive (2004/108/EC, 92/31/EEC, 93/68/EEC)** as certified by Intertek Testing Services NA Inc.
  - » **Low Voltage Directive (2006/95/EC, 93/68/EEC)** as certified by Intertek Testing Services NA Inc.

(Typical only - some details may vary.)

CONSTRUCTION

Frame – Constructed of aluminum.

Case – Constructed of powder coated steel.

PREVENTIVE MAINTENANCE

Customers are encouraged to contact STERIS Life Sciences Service concerning a maintenance program. Under the terms of the program, preventive maintenance, adjustments and replacement of worn parts are provided on a scheduled basis to help ensure optimal equipment performance and to help minimize untimely or costly schedule interruptions. STERIS Life Sciences Service maintains a worldwide staff of well-equipped, factory-trained technicians to provide these services, as well as on-site installation, training and expert repair services. Contact STERIS Life Sciences Service** for details.

** *1 (800) 444-9009 or www.sterislifesciences.com.*

CALIBRATION

STERIS recommends that the VHP *TS1000* Tri-Scale Sensor be calibrated at least once every six months. STERIS Life Sciences Service representatives can provide this service to ensure validatable operation of the unit.

Item_____
Location(s)_____
_____

ENGINEERING DATA

IMPORTANT: *Refer to equipment drawing 146678-055 for installation details and specifications.*

Weight
Approximately 6.7 lb (3.0 kg).

Interconnecting Cable
24 Vdc, 0.17 Amp

Technical Specifications

Hydrogen Peroxide Sensor – Measures hydrogen peroxide vapor concentration from 0 – 1000 ppm

Relative Humidity Sensor – Measures percent relative humidity (RH) from 0 - 100%

Temperature Sensor – Measures temperature in either °F or °C according to setting on attached Biodecontamination Unit

CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.

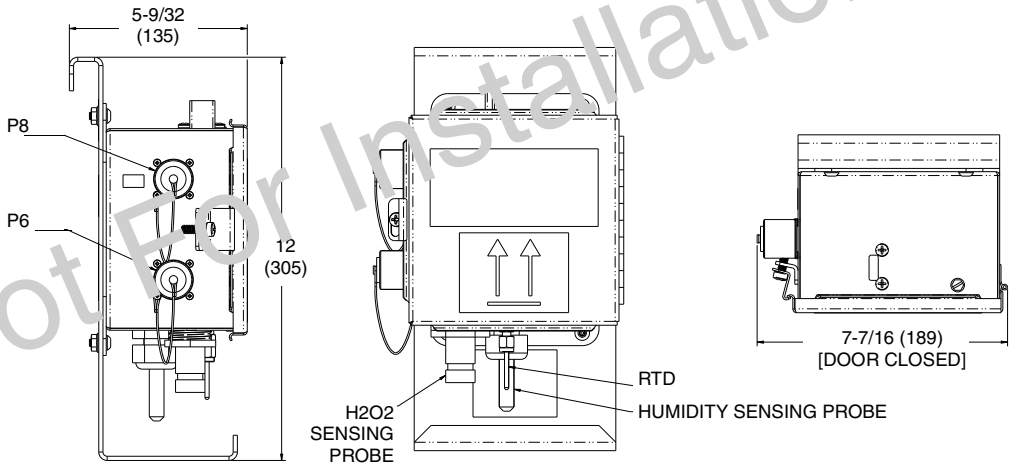
The base language of this document is ENGLISH. Any translations must be made from the base language.

Reference listed equipment drawing for detailed installation specifications. Obtain this drawing from your STERIS Representative.

Equip. Dwg. No.	Equipment Drawing Title
146678-055	Equipment Drawing - VHP TS1000

Dimensions are typical - drawing is not to scale

Dimensions are inches (mm)



For Further Information, contact:

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