



Particulate Viewing Systems

Tabletop Systems for Visually Detecting Particulate Contamination



Tabletop PVS-1e (left) and portable, foldable PPVS-2e (right).

Key Features:

- Affordable price
- Low maintenance
- Lamp timer
- Conforms to International Pharmacopoeia standards including USP <790> and EP 2.9.20
- Digital or step dimming
- 1,000 to 4,000 lux
- Quick set-up without tools
- Industry leading service

GTI's Particulate Viewing Systems conform to global Pharmacopoeia standards and assist with the detection of particulate contamination during the manufacturing of pharmaceutical, cosmetic, food and other products.

GTI is a leading manufacturer of visual inspection booths for the appraisal of color and product quality. These booths utilize GTI's ColorMatcher 6500K lamps. ColorMatcher 6500K lamps are manufactured with a unique blend of fluorescent phosphors that is unequalled by any other 6500K lamp. These lamps deliver a true full spectrum white light that offers the highest degree of accuracy and efficiency.

Viewing System Components

Compact, portable and affordable GTI Particulate Viewing Systems include D65 daylight 6500K lamps, a lamp timer, and dimming capability. The interiors of their cabinets are painted neutral gray and include a removeable back insert panel that is fifty percent matte black and fifty percent non-glare white. Exteriors are also painted neutral gray.

GTI Particulate Viewing Systems are manufactured and tested at our corporate facility in Newburgh, NY with the highest standards of quality assurance.

Two Model Choices

GTI's PVS-1e is a compact tabletop viewing system that features four 24" T8 lamps, step dimming, a digital dimming option, and optional accessories for enhanced viewing. The PPVS-2e model is a foldable, portable viewing system that features five 18" T8 lamps and step dimming.

Dimming Capability

To meet Pharmacopoeia standards, GTI Particulate Viewing Systems provide a brightness level of 4000 lux. Dimming capability allows for the viewing of samples under different intensities of light.

PVS-1e and PPVS-2e systems feature preset step dimming which is manually controlled with rocker switches. The PVS-1e/SP model features optional digital dimming for precisely setting any desired degree of illuminance up to 4000 lux.



PVS-1e/SP with digital dimming option.



Particulate Viewing Systems

PVS-1e and PVS-1e/SP Specifications

Viewing Area (H×W×D)	14.25"×24"×13.25" (36 cm×61 cm×34 cm)
Physical Dimensions (H×W×D)	19"×26.5"×16.5" (48 cm×67 cm×42 cm)
Electrical	75 watts
Lamps	Four – F17T8/CM65
Dimming	PVS-1e – Manual step – Four steps from 1000 to 4000 lux (One lamp on / two lamps on / three lamps on / four lamps on) PVS-1e/SP – Digital – User desired levels from 0 to 4000 lux
Color Temperature	6500K (Alternate light sources are available.)
Lux	Up to 4000



PVS-1e with manual step dimming and PVS-1e/SP with digital dimming.

PVS-1e and PVS-1e/SP Accessories



45 degree and variable angle viewing tables are offered in neutral gray or in black and white to match the booth.



Insert panels are available to create an all matte black or all non-glare white booth interior.



A prismatic diffusion lens is available as an option.

PPVS-2e Specifications

Viewing Area (H×W×D)	13"×19"×7.5" (33 cm×48 cm×19 cm)
Physical Dimensions (H×W×D)	Open: 17"×19"×11.5" (43 cm×48 cm×29 cm) Folded: 3.5"×19"×16" (9 cm×48 cm×41 cm)
Electrical	85 watts
Lamps	Five – F15T8/CM65
Dimming (Three Switches)	Manual step – Five steps from 1000 to 4000 lux (One lamp on / two lamps on / three lamps on / four lamps on / five lamps on)
Color Temperature	6500K (Alternate light sources are available.)
Lux	1000 to 4000



GTI's PPVS-2e model is foldable for portability and easy storage.

GTI is a leading manufacturer of tight tolerance lighting systems for critical color viewing and product inspection. An in-house spectroradiometric laboratory and a 100% measurement and verification production process guarantees that precision and accuracy is built into all products. All products are shipped with a certificate of product conformance.



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