

Lamp Voltage Interface

Parallel interface delivers continuous feedback of UV curing system voltage to provide numerical value of on-going performance



Consistent electrical draw by a UV curing system is essential to maintaining peak UV lamp performance. With reliable electrical service, UV curing lamps will perform with greater predictability to deliver more consistent, repeatable results. To monitor this draw, UV Process Supply introduces the new **Lamp Volt Interface**, a fully compatible volt measurement device that can be installed into any CON-TROL-CURE® or 3rd party UV curing system.

The LVI integrates parallel to your curing equipment's power supply and irradiator to provide continuous feedback of voltage level during operation. When interfaced with a high impedance panel-mount volt meter, the LVI provides a numerical power reading of lamp energy draw. The operator can use this numerical value to determine when a lamp stabilizes and is ready for use. This numerical value is critical in establishing an initial baseline after installing a new lamp.

As the lamp degrades over time, or if air flow (cooling) within the housing is increased and inadvertently lowers lamp temperature, the lamp will draw less energy. As a result, the LVI's numerical reading will be less than its initial baseline. This indicates the lamp is drawing less power and may be performing at less than peak efficiency.

By noting this change in numerical values, you can quickly cross-check this variance through physical cure evaluation before under-cured product is generated. If the tested product fails to cure at this numerical value, you can eliminate the inefficiency by changing the lamp, increasing power, or by changing air flow characteristics.



Lamp Voltage Interface's optional Panel Mount Volt Meter

Item	Description
B003-001	Lamp Voltage Interface with dual ports
B003-002	Lamp Voltage Interface with Panel Mount Voltage Meter; LCD
B003-003	Lamp Voltage Interface with Panel Mount Voltage Meter, LCD; High/Low preset alarm; PLC Interface

Standard features:

- Directly reports lamp condition
- Integrates into any UV curing system
- Assists in identifying poor performance
- Translates high voltage for use with standard voltmeters
- Provides visual, numerical energy values for use in determining lamp performance

- Easy to install and access
- Mounts parallel to lamp wiring to provide direct reading

Optional features:

- Panel-mount volt meter w/LCD display
- Panel-mount volt meter w/LCD display, high/low preset alarms, PLC interface

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