

# SPOT CURE-B2

- L.E.D. UV Adhesive Curing Light
- Optional White Light Illuminator

The **SpotCure-B2** is a unique LED UV adhesive curing light and optional white light inspection system designed to be conveniently portable for use in various industrial applications. The system consists of a wall transformer and power console designed to be used bench top. Using the battery module allows the **SpotCure-B2** to be portable and utilized in work areas where a wall outlet is not available. An optional high intensity white light probe is available for general inspection and can be operated by ONLY the battery module.

## Operational Description

The **SpotCure-B2** system employs a high intensity array of UV light emitting diodes operating at 395nm to effectively cure a myriad of UV cured industrial adhesives. The optional white probe emits high intensity white light of about 6000°K and is designed to be used for general inspection and illumination purposes and works only with the battery module.

The UV probe is generally stored connected to the power console. An automatic sensor is located in the probe holder which will sense when the probe is placed into the holder and turn off the LED array. If using the battery module, the probe can be stored connected to the battery module and the entire unit placed in an upright position on a counter top.

The battery module contains a series of high capacity NiMH cells that will last for weeks of normal use before recharging is required. These batteries are sensitive to the type of recharging employed. **DO NOT USE ANY OTHER RECHARGING DEVICE.**

When the batteries require recharging, two red indicator warning lights will illuminate. It is not imperative that recharging be accomplished immediately. Adequate battery energy remains for continued operation. It is recommended that a spare battery module be employed to avoid possible light level reduction.

## Power Console Operation

Plug the UV LED probe into the console cable connector being careful to align the connectors correctly to avoid bending the electrical pins. Refer to the diagram for proper alignment. Insert the UV probe into the probe holder on top of the console. Attach the wall transformer to an appropriate outlet and insert the power plug into the jack provided on the rear of the console. **DO NOT** use any other wall transformer than that supplied with the system. When the UV probe is removed from the holder, a 1.5 second delay will be initiated before the UV LED array is automatically turned on. During the LED array ON period, an audible tone will sound every 10 seconds. Simply replace the probe to turn off the array.

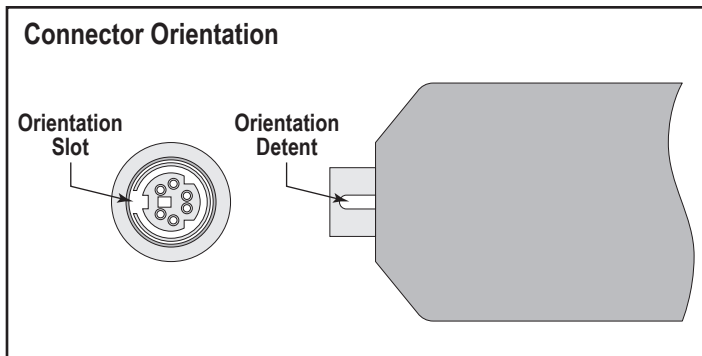
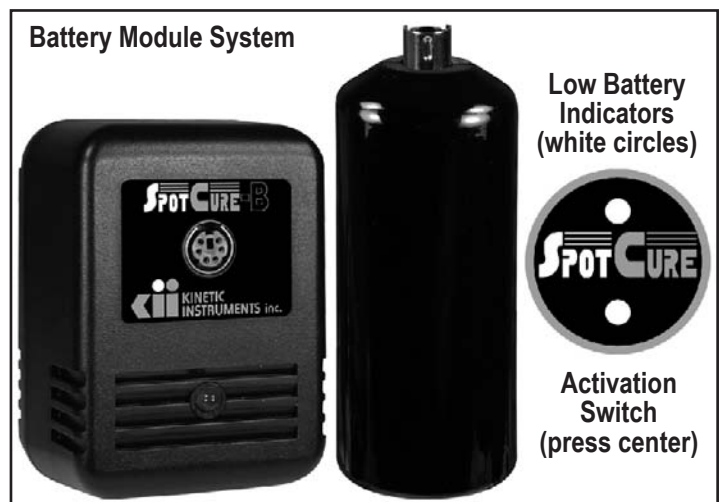
## Battery Module Operation

Before using it is recommended that the battery module be fully charged. Connect the wall charger provided to an outlet of appropriate voltage. Plug the power module into the receptacle provided on the front of the charger. Be certain that the indicator detent on the power module plug is properly aligned with the plug on the recharger. Refer to the diagram for proper alignment.

If the batteries require charging, the red LED will illuminate continuously. After a period of time, the LED will change from continuous on to blinking. This will indicate that the batteries are fully charged. The battery module may be left connected to the recharger for extended periods of time with no adverse effects. This is especially useful if a spare battery module is employed.

The **SpotCure-B2** battery module logic sequencing is completely automatic and will commence as soon as the activation switch is depressed. The activation switch is located underneath the identification label on the rear of the battery module. Simply depress the center of the label.

In order to accommodate the UV curing and illuminator functions, a single operation cycle is used. When the activation switch is depressed, the UV probe will illuminate for a period of 25 seconds and then automatically deactivate. When using the optional illumination probe, this timing period is identical. This cycle may be terminated at any time by depressing the activation switch again.



## CAUTION

- The UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of device. This can be harmful to the eyes even for brief periods due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in this product may be viewed directly, please affix a caution label to that effect.

**Avoid direct eye exposure to UV light.**  
Keep out of reach of children