

# SPOTCURE-C

## • L.E.D. UV Adhesive Curing Light • Optional White Light Illuminator

The SpotCure-C is a unique combination UV adhesive curing light and white light inspection system designed to be conveniently portable for use in various industrial applications. SpotCure-C is manufactured in various models designed to accommodate different operational requirements. The following are the models and function:

- Model C9: 12mm straight UV probe, 395nm wavelength.
- Model C7: 12mm straight UV probe, 375nm wavelength.
- Optional Probe V9: 8mm curved UV probe, 395nm wavelength.
- Optional Probe V7: 8mm curved UV probe, 375nm wavelength.
- Optional Probe V4: 4mm curved inspection probe, 6000°K brilliant white.

### Operational Description

The SpotCure-C system employs various different style probes which conveniently attach to a replaceable power module. The UV probes are used for curing UV light cured adhesives and should not be utilized for any other purpose. These probes emit high intensity UV light to provide the necessary energy for initiating most all UV initiated light cure products. 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.

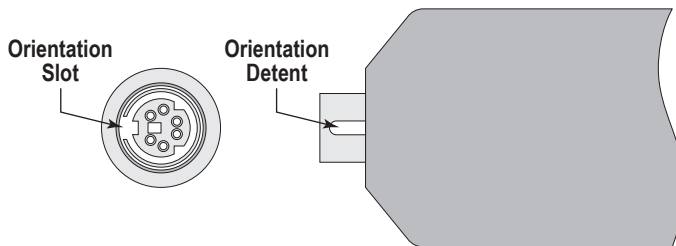
All of the probes operate in exactly the same manner in order to be consistent with their intended use. It is not required to set any controls in order to use each probe since the electronic logic system will automatically recognize which probe is attached to the power module.

The probe can be stored connected to the battery module and the entire unit placed in an upright position on a counter top. It is not necessary to disconnect the probe from the power module. The power module consists of a series of high capacity rechargeable batteries. 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.

### SpotCure-C Operation

Before using the system, it is recommended that the battery module be fully charged. Connect the wall transformer provided to an outlet of appropriate voltage (check the rating plate). Plug the power module into the plug provided on the front of the recharger. Be certain that the indicator detent on the power module plug is properly aligned with the plug on the recharger. Refer to the diagram below. If the batteries require recharging, 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 power module may be left connected to the recharger for extended periods of time with no adverse effects. This is especially useful if a spare power module is employed. All rechargeable batteries have an undesirable "self-discharge" characteristic. That is, they will slowly discharge in storage. Keeping a spare power module connected to the recharger will avoid this problem. Each time the recharger LED blinks, a small "refresh" charge is sent to the batteries to negate the self-discharge characteristic.

The SpotCure-C 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 power 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 probe will illuminate for a period of 25 seconds and then automatically deactivate. When using any of the optional probes, this timing period is identical. This cycle may be terminated at any time by depressing the activation switch again.

### Chemical Exposure Caution

The plastic probe handle is **NOT** chemically resistant and should **NOT** be exposed to harsh cleaning agents or any type of solvents. When replacing the curved light guide, insure that it is fully inserted into the handle to avoid light loss.



## 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**