

SPECIFICATIONS

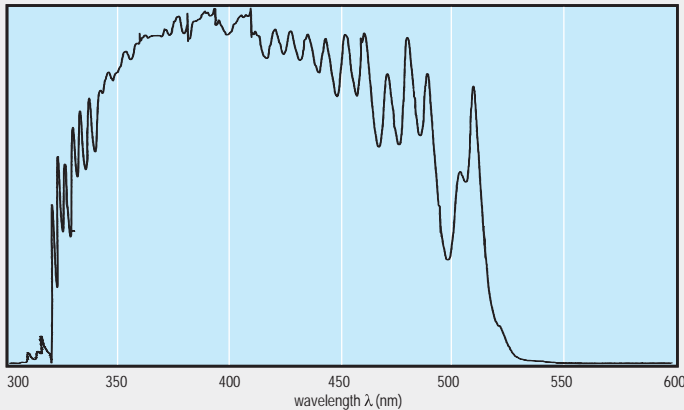
SpotCure-H Halogen Enhanced UV Curing System

SpotCure-H is a traditional halogen UV curing light providing a wide emission spectrum in the near UV-A and UV-B ranges. Utilizing a special enhanced UV halogen lamp, SpotCure-H produces 75% more UV intensity than similar products currently available. Incorporating a continuously adjustable timing control, the curing cycle can be set for 1-60 seconds. Operation of the timed period is "one-touch" thereby permitting the gun to be used in awkward positions without the need for holding down the activation trigger. Because of the fairly wide emission spectrum covering 300nm to 525nm, SpotCure-H is able to cure a myriad of different materials. As an integral part of the optical design, both IR absorbing glass and an IR reflecting "hot mirror" are employed to effectively reduce the output heat to negligible levels.

- Enhanced UV Lamp Produces 75% More UV Intensity
- Halogen UV-A / UV-B Ultraviolet Adhesive Spot Curing
- Continuously Variable Timing Cycle from 1-60 Seconds
- Double IR Filter Prevents Excess Heat Emission
- Wide Range Spectrum Cures Most UV Adhesives
- Automatic Timing Shuts Off After Selected Duration
- Clearly Audible Signal at Start and End of Curing Cycle
- Switch Selectable Input Power of 120VAC or 230VAC
- Will Operate Continuously for Heavy Duty Applications
- Curved 8mm Aperture Intensifying Light Guide Standard



RELATIVE INTENSITY vs. WAVELENGTH




ELECTRICAL / OPTICAL CHARACTERISTICS

Symbol	Parameter	Device	Typical	Units	Test Conditions
λ_{peak}	Peak Wavelength	SpotCure-H UV	393	nm	UV Pass / IR Filter
λ_D	Dominant Wavelength	SpotCure-H UV	420	nm	UV Pass / IR Filter
$\Delta\lambda_{1/2}$	Spectral Line 1/2 Width	SpotCure-H UV	N/A		
V_i	Input Voltage	SpotCure-H UV	120 / 230	VAC	50/60 hz
I_i	Input Current	SpotCure-H UV	0.76	Amperes	120 VAC 60 hz
Φ_E	Intensity	SpotCure-H UV	175	mW/cm ²	365 nm

MECHANICAL / DIMENSIONAL CHARACTERISTICS

Characteristic	Definition	Measurement	Units
Overall Package Dimensions	Depth x Width x Height	6.0 (15) x 5.0 (12.7) x 9.0 (23)	Inches (Centimeters)
Length of Probe Cable	Connector End to Console	2.0 to 4.0 (1.22)	Feet (Meters)
Overall Package Weight	With Curing Gun Stored	5.0 (2.27)	Pounds (Kilos)
Timed Curing Cycle	Manually Variable	1.0 - 60	Seconds
Operational Duty Cycle	5% Degradation	Continuous	Cycles at 100%
Emission Light Guide	Exit Aperture	.350 (9.0) or .470 (12.0)	Inches (Millimeters)



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**



Telephone: 203-743-0080
 Toll Free: 800-233-2346
 24hr Fax: 203-790-1227
 Website: www.kineticinc.com
 e-mail: kineticinc@kineticinc.com

17 Berkshire Boulevard
 Bethel, Connecticut 06801