

SpotCure-P High Intensity Battery Operated UV LED Cure Unit



Features:

- UV-A High Intensity Spot Curing
- Virtually No Output Heat
- 365nm Peak Wavelength Penetrates Thickness
- Automatic 60 Second Timed Curing Cycle
- 8mm diameter curing tip
- Chemically Resistant Polypropylene Handle
- Low Battery Warning Indicators
- Long Battery Life
- Recharge from Computer or Wall Adaptor
- Durable enough for manufacturing applications
- Optional Carrying Case Kit

Simple-Convenient-Powerful

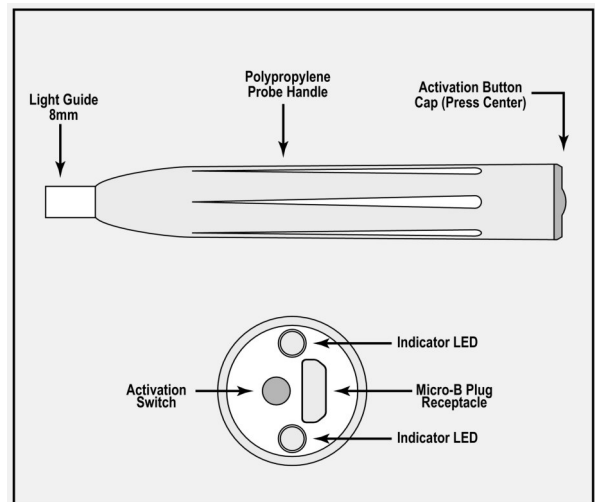
SpotCure-P is a battery operated and portable Ultraviolet Curing unit, small and light enough to carry in your pocket, yet rugged enough to use in manufacturing applications. Activating the High Intensity UV LED is easy—just depress the switch in the back of the unit. SpotCure-P will remain ON for 60 seconds before automatically turning OFF to save battery life, or the user can depress the switch a second time to turn OFF. Flashing warning indicators will alert the user if charging is needed. Recharging is accomplished by plugging the supplied mini USB adapter into a computer, or by plugging into a 5V wall transformer.

MECHANICAL / DIMENSIONAL CHARACTERISTICS

Characteristic	Definition	Measurement	Units
Overall Package Dimensions	Diameter x Length	0.8 (20) x 5.2 (132)	in (mm)
Length of Recharging Cable	Micro-B End to USB End	3.0 (1.0)	ft (m)
Overall Probe Weight	Without Attachments	1.5 (41)	oz (g)
Probe Dimensions	Diameter x Length	0.32 (8) x 0.5 (12)	in (mm)
Recharging Input Power	USB or Wall Switcher	5.0, 450 max	VDC, ma
Curing Cycle Activation	Momentary Switch	60 max	seconds

ELECTRICAL / OPTICAL CHARACTERISTICS AT T_a=25°C

Symbol	Parameter	Device	Typ.	Min.	Units	Test Conditions
λ_{peak}	Peak Wavelength	SpotCure-P	365		nm	I _F =500ma
λ_D	Dominant Wavelength	SpotCure-P	365		nm	I _F =500ma
$\Delta\lambda_{1/2}$	Spectral Line 1/2 Width	SpotCure-P	22		nm	I _F =500ma
V _F	Forward Voltage	SpotCure-P	4.0	3.9	V	I _F =500ma
ΣD	LED Dice (InGaN)	SpotCure-P	1mm x 1mm		chips	
Φ_E	Intensity (405nm)	N/A				
Φ_E	Intensity (365nm)	SpotCure-P	280	265	mW	2 θ 1/2 @ 130°
Φ_E	Intensity (460nm)	N/A				



RELATIVE INTENSITY vs. WAVELENGTH

