

# CASCADE LASER CORPORATION

## UV Scope (UV / IR Viewer) P/N 85300

Product Information

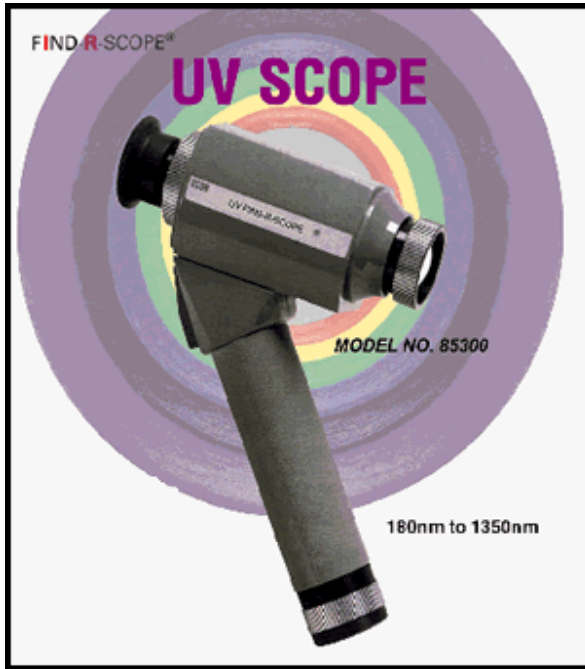


Figure 1: *UV Scope (UV / IR Viewer)*

### Notable Features:

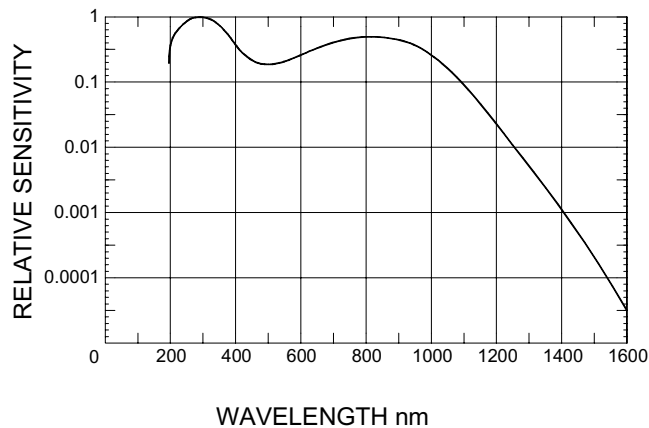
- Lightweight
- UL approved
- High resolution
- Simple to operate
- Custom P: 3.0 (26mm Lens)

The UV viewer works by focusing ultraviolet light reflected or emitted from a chosen subject onto the image tube. The tube converts the ultraviolet light into a visual image on the P-20 phosphor screen which is viewed through the eyepiece. The power for the tube is supplied by one 1.5 volt "C" cell battery converted to 12,000 volts by the self-contained high-voltage power supply. The UV viewer has applications that include examining alignment and beam quality of excimer lasers, monitoring degradation of UV optical components, and examining coatings from near infrared to deep UV wavelengths. Forensic applications including fingerprint and chemical analysis.

## SPECIFICATIONS

Field of View:	40°
Magnification:	1:1
Standard Sensitivity:	180 to 1350nm
Optional Sensitivity:	180 to 1550 nm
Peak Sensitivity:	300 nm
Focal Range:	4.5" or 11.4cm to infinity
Resolution:	60 lines/mm min.
Battery Life:	>250 hrs (intermittent) >100 hrs (continuous)
Power Supply Life:	2500 hours
Dimensions:	6" x 2-1/8" x 7" 15.2cm x 5.4cm x 17.8cm
Weight:	22oz / 625 g
Operating Temp.:	-25°F to 1150°F -32°C to 460°C

NOMINAL SPECTRAL SENSITIVITY



Contact Cascade Laser Corporation for ordering information or to request a quotation on any of these products.

### **Cascade Laser Corp.**

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*UV Scope (UV / IR Viewer)  
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