

OmniScan™

Compare the current conditions to an established base line

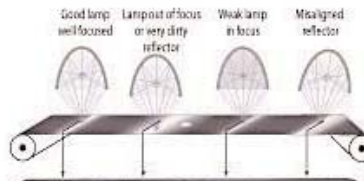
The display to the left shows the irradiance levels of the lamps in a properly aligned four lamp system. All of the lamps have the same intensity, 778mW/cm², and their profiles, "shapes", are the same. This information can be saved in memory as a base line that can be recalled at any time for comparison with future passes through the curing system.



Base Line

Pinpoint problems and their causes precisely

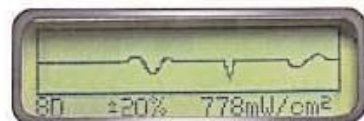
Over time lamps and reflectors degrade. Merely noting a reduction in intensity does not indicate the source of the degradation. The "current" display to the right shows how the changes in shapes of the profiles relate to the actual changes in illumination and are indicative of the major causes for degradation.



Current

Determine the magnitude of the problem instantly

The third display shows the percent difference in intensities between the lamps now and when the base line was taken. From this you can determine if the lamps are performing within the optimum process window. The value to the lower left indicates how much time has passed between the base line measurement and the current run. In this example it was 8 days.



Difference

SPECIFICATIONS:

Display: Graphic with 4 significant digits

Temperature Range: 10° to 60°C

Cosine Receptor: Integrating Cavity

Accuracy: Typically better than 6%

Maximum Readings: 500/sec

Maximum Belt Speed Tolerance: 300'/min

Dimensions: 0.5" x 4.4" x 6.3"

12.7mm x 111mm x 161mm

0.75lbs / 0.34Kg

Information Displayed:

Dose

Maximum irradiance

Irradiance uniformity profile

Reference profile

Standard profile to current comparison

Hi unit profiling starts at 20mW/cm² threshold

Irradiance Range: 1mW/cm² to 20W/cm²

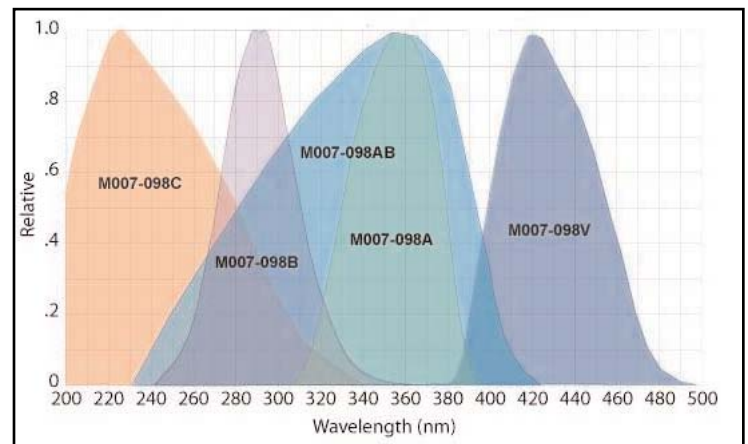
Dose Range: 1mJ/cm² to 20J/cm²

Low unit profiling starts at 1mW/cm² threshold

Irradiance Range: 1mW/cm² to 2.5W/cm²

Dose Range: 1mJ/cm² to 20J/cm²

PART NUMBER	DESCRIPTION
M007-098ABH	OMNISCAN UVAB HI
M007-098ABL	OMNISCAN UVAB LOW
M007-098AH	OMNISCAN UVA HI
M007-098AL	OMNISCAN UVA LOW
M007-098BH	OMNISCAN UVB HI
M007-098BL	OMNISCAN UVB LOW
M007-098CH	OMNISCAN UVC HI
M007-098CL	OMNISCAN UVC LOW
M007-098VH	OMNISCAN UVV HI
M007-098VL	OMNISCAN UVV LOW



24-HOUR PRODUCT SERVICES

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UV PROCESS SUPPLY, INC.