Learn More

Manufacturer:
Dymax

Product Name:
Dymax Lightguide Simulator for ACCU-CAL™ 50 UV Radiometer

Manufacturer Part Number:
38408

Click here for more details on the Dymax Lightguide Simulator for ACCU-CAL™ 50 UV Radiometer

DYMAX®

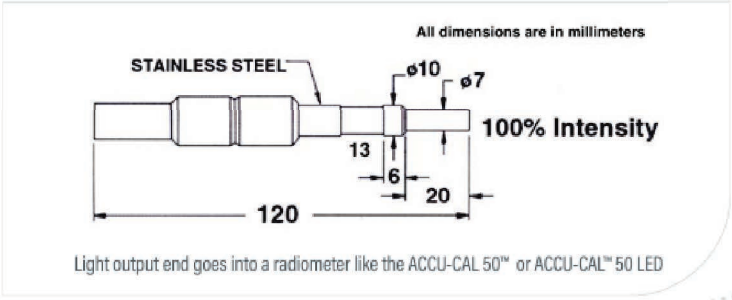
Lightguide Simulator

An Important Tool for Monitoring Spot-Cure System Performance

Functions

- Allows a direct lamp output reading
- Provides fast and accurate intensity readings
- Helps in determining bulb and lightguide replacement timing
- Helps increase productivity of UV-curing spot lamps

In a UV spot-curing system, both the lamp and the lightguide degrade with use. Lamps begin to emit less energy and the transmission efficiency of lightguides also decreases over time, requiring periodic replacement of both. The degradation of lamps and lightguides varies with usage and must be measured. Measuring the output from a lightguide shows both the lamp degradation and the lightguide transmission loss, without regard to their relative contributions. A lightguide simulator allows the measurement of the lamp output intensity independent of the lightguide. The difference between these two measurements is the transmission rate of the lightguide. A lightguide simulator is a cost-effective tool that helps accurately identify lamp and lightguide replacements.



Light output end goes into a radiometer like the ACCU-CAL 50™ or ACCU-CAL™ 50 LED

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Using a Lightguide Simulator

T Measured Combined Intensity: Measured from end of lightguide. Replace lamp and/or lightguide when intensity drops below that validated for the process.

B Measured Lamp Intensity: Measured through lightguide simulator.

T/B Calculated Lightguide Transmission (%): Calculated transmission rate for a new, single-pole, 5-mm lightguide is 90% or more. Lower transmission rates require more frequent lamp replacement to maintain output intensity.

Specifications

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Part Number	38408
Compatibility	Compatible with the following spot lamp models: Dymax BlueWave® 200, BlueWave® 75, BlueWave® LED Prime UVA, BlueWave® DX-1000 (in spot-cure configuration)
Construction	5-mm diameter fused silica rod, optically insulated and sealed on both ends
Light Transmission	Minimum 91% in the UVA and VIS wavelength range