

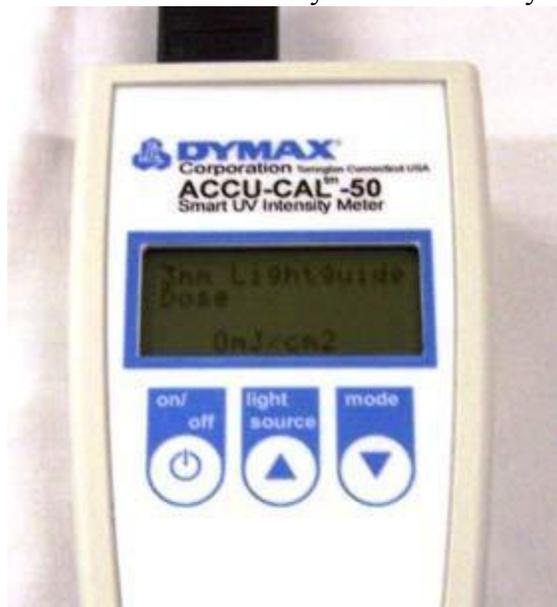
VII. Equipment

J. DYMAX Reactor

Safety Recommendations:

When working with UV light sources, use goggles, provided, or a face shield approved for UV protection to protect your eyes. Long-sleeved shirts, or a lab coat, are recommended to protect the arms, and use of UV opaque gloves will protect the hands.

1. Attach the light guide adapter to the Spot Lamp's light guide by inserting the light guide into the adapter until it bottoms out. Tighten the setscrew when the light guide is installed.
2. Press and release the key the "on/off" key to turn the meter on and off.



3. Set the Accu-Cal 50 for operation by using the front panel keypad.
4. Press and release the "light source" key to select the light source being measured. The different light source options are:
 - Flood lamp. For use when measuring UV intensity of a flood lamp light source.
 - 3mm light guide. For use when measuring UV intensity at the end of a 3mm light guide.
 - 5mm light guide. For use when measuring UV intensity at the end of a 5mm light guide.
 - 8mm light guide. For use when measuring UV intensity at the end of a 8mm light guide.
5. Press and release the "mode" key to select between the meters operating modes. The different operating modes are:
 - Peak Intensity. Shows the highest UV intensity in mW/cm² seen by the detector during the measurement.
 - Intensity. Shows the UV intensity in mW/cm² at the detector during the measurement.
 - Dose. Shows the total UV dose in mJ/cm² at the detector during the measurement.

INSTALLATION AND SYSTEM INTERCONNECT

1. Connect the Power Cord to the Power Receptacle on the rear of the unit and plug the Power Cord into a grounded wall outlet.
2. Insert the large end of the Lightguide into the Lightguide Mount until it snaps into place
3. Turn the *BlueWave 200's* Power Switch on.
4. Allow the Bulb to warm up 4-5 minutes to obtain the maximum light output.
5. Once the equipment is on, **do not turn off for 45 min, minimum**. Turning off before this time will damage the lamp. Once off, the lamp cannot be turned on again for 5 min.
6. With the Shutter open, adjust the Intensity Adjustment Screw as required to achieve the desired output intensity

Operation



To set the Shutter open duration, press the appropriate up/down button until the corresponding digit increments in the set value. By pressing the key labeled (1), it will increment the left most digit on the set value. By pressing the key labeled (2), it will increment the second digit of the set value and similar for digits 3 and 4. The small grey buttons are “rocker” style so pressing the top half increments the digit up while pressing the bottom half will increment down. The Timer will increment from 9 back to 0. If the Timer is not operating, the Timer should periodically update the present value with the set value. If the Timer does not, press the Reset Button. Reset value will become the present value. The Timer comes programmed for a range of 00.01 seconds to 99.99 seconds. Consult factory for other time ranges and functions.

To operate the Timer, select the Timer Operation Mode on the front panel (large Rocker Switch left of the Timer). Program the time into the Timer as described above and depress the Footswitch. Factory settings will open the Shutter and the present value will begin to count backward. When the Timer reaches 00.00, it will reset the value to the set value and close the Shutter. The Timer cannot be stopped once started. If power is removed from unit, the Timer will reset to set value.