



Application Bulletin – Model 8.0 Solarmeter

Date: Mar 14, 2016

Model	Description	Yes	No
<p>8.0</p>	<p>UVC irradiance Range 0-1999 $\mu\text{W}/\text{cm}^2$</p> <p>UVC meter for measuring sterilization lamps irradiance. Sensor/filter is completely blind to non-UVC (out-of-bandwidth) UVB, UVA and visible light, so there is no need to subtract and stray light from the UVC readings.</p> <p>Application Notes:</p> <ol style="list-style-type: none"> 1. Measure UVC irradiance from UVC low pressure tube lamps.. 2. Check for UVC “leaks” from lamp cabinets. 3. Check lamp aging from new to depreciated output. <p>Procedure:</p> <p>Press and hold push button switch while aiming top sensor at light source.</p> <p>The reading represents instantaneous UVC intensity at the distance meter sensor is being held from the source. Moving the meter closer to UVC source will increase reading.</p> <p>Take care to measure reading at distance and location recommended by UVC lamp manufacturer. Generally distance to workpiece is most appropriate.</p> <p>Hold meter at location of exposure to determine intensity at the subject position of concern. When readings fall 25-30% below new readings the lamps need replacement.</p> <p>Note 1: For high pressure lamp systems, a special version with range of 0-19.99 mW/cm^2 is available upon request.</p> <p>Note 2: Always wear UV blocking eyewear and hand/face protection when checking UVC light sources.</p>	<p>X</p> <p>X</p> <p>X</p>	