1. SENSOR
Model DLM-1000 "B" UV Sensor..............320-400 nm (µW/cm²)
Model DLM-1000 "C" Visible Sensor........380-700 nm (foot-candles)
Model DLM-1000 "L" Visible Sensor........380-700 nm (Lux)
(Photometric Response)

Calibration: Sensors are calibrated using line sources, or if more
appropriate for the application, wide bandwidth sources. Calibration is
within 5% of a working standard, traceable to the NATIONAL
INSTITUTE OF STANDARDS and TECHNOLOGY, formerly NBS.
Temperature coefficient .................. ±0.25%/°C.

2. READOUT UNIT
Display 13mm.................. (0.5 in.) constant fluorescing
Liquid Crystal Display (LCD)
Sampling time ............... 0.4 seconds

Electrical Specifications:

<table>
<thead>
<tr>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1999</td>
<td>1</td>
<td>± 2% (+2 digits)</td>
<td>FC or Lux</td>
</tr>
<tr>
<td>0-19990</td>
<td>10</td>
<td>± 2% (+2 digits)</td>
<td>µW/cm²</td>
</tr>
</tbody>
</table>

Measurement Units

<table>
<thead>
<tr>
<th>Spectral Range</th>
<th>Model</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>320 - 400 nm</td>
<td>DLM-1000 &quot;B&quot; UV sensor</td>
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<td>DLM-1000 &quot;L&quot; visible sensor</td>
<td>Lux</td>
</tr>
</tbody>
</table>

3. POWER REQUIREMENT
Battery Operation.................. One 9-volt battery provided
Current Drain....................... 2 mA (approx)
Battery Life......................... 150 - 200 hours

4. TEMPERATURE RANGE
Operation.................. 0° - 50° C (32° - 122°F)
Storage .................. 10°C - 50º C (14° - 122°F)

5. HUMIDITY RANGE
0 to 100% R.H. non-condensing

6. DIMENSIONS
Readout Unit.................. 108mm x 73mm x 23mm
Sensor Head.................. 70mm x 52 mm x 17 mm
(4.3in. x 2.9in. x 0.9in.)

7. WEIGHT
Readout Unit.................. 160 g (0.36 lb.)
Sensor .................. 90 g (0.20 lb.)

8. USAGE
"B" UV sensor is used to measure blacklight output UVA.
"C" visible sensor is used to measure incandescent light output and
to test for visible light which may be emitted by a Blacklight. This
sensor is calibrated to read in foot-candles.
"L" visible sensor is the same as the "C sensor, except it is cali-
brated to read in Lux. (Optional)

Operation
1. Slide the "POWER" switch to the "ON" position.
2. Turn the lamp on or apply power to the light source being
measured.
3. Place the sensor where the radiance/luminance is to be
measured.
4. The value of the radiance/luminance will be indicated on the
display. If at any time only a "1" appears in the left hand display
position, then the measurement is out of range. Indicated values
are as follows:
   Lux or foot-candles 1 x the display reading
   Microwatts/cm² 10 x the display reading

Calibration
The visible and UV sensor radiometer should be
returned to the factory every six months for
recalibration or a routine check-up. The recommended
six month calibration is based upon normal usage of
intermittent readings. If the sensors are used
continuously, recalibration should be performed more
often. Visible sensors are calibrated to accurately read
incandescent light sources, unless a fluorescent light
calibration is requested.

For further information please contact:

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Represented by: