New Age Instruments & Materials

LUMEN LIGHT SOURCE SERIES

- Multi Channel LED
- LED Cluster with Controller
- Lumen Hal+
- Xenon Flash Lamp Module (Portable)

Xenon Flash Lamp Module (Portable)
Application

✔ Blood analyzers
✔ Laboratory testing
✔ Air pollution analysis
✔ Water quality and pollution analysis
✔ Microplate readers
✔ Fluorescence Spectrophotometers
✔ Semiconductor inspections
✔ Light source for image processing

Specification

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arc Size</td>
<td>1.5-3.0 mm</td>
</tr>
<tr>
<td>Window material</td>
<td>UV glass</td>
</tr>
<tr>
<td>Emission wavelength range</td>
<td>185 to 200 nm</td>
</tr>
<tr>
<td>Main discharge voltage variable range</td>
<td>400 to 600 V</td>
</tr>
<tr>
<td>Main discharge capacitor</td>
<td>0.22 / 0.11 / 0.047 / 0.28 µF</td>
</tr>
<tr>
<td>Maximum input energy (per flash)</td>
<td>See Operating Conditions</td>
</tr>
<tr>
<td>Maximum average input (continuous)</td>
<td>5 W</td>
</tr>
<tr>
<td>Light output stability (Max.)</td>
<td>2.0 - 1.5 %CV</td>
</tr>
<tr>
<td>Guaranteed life</td>
<td>1 x 109 flashes</td>
</tr>
<tr>
<td>Input voltage range</td>
<td>11 to 28 V</td>
</tr>
<tr>
<td>Input current</td>
<td>1 A</td>
</tr>
<tr>
<td>Inrush current</td>
<td>4 A</td>
</tr>
<tr>
<td>Trigger input</td>
<td>Rectangular wave 5 V to 10 V pulse width must be 10 µs or more</td>
</tr>
<tr>
<td>Trigger input impedance</td>
<td>330 Ω</td>
</tr>
<tr>
<td>Cooling method</td>
<td>Not required</td>
</tr>
<tr>
<td>Weight (standard type)</td>
<td>Approx. 155 g</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>0 to +40 °C</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>-40 to +40 °C</td>
</tr>
</tbody>
</table>
**Collimating Lens**
- Lens Diameter: 6mm, 25mm
- Lens focal length: 8.7mm, 50mm, 100mm
- Wavelength range: 200-2500nm
- Fiber Connection: SMA or FCPC

**Fiber Combiner**
- Wavelength: 200-2500nm
- Spectral sampling attachment
- Collimation and focusing
- SMA/FCPC

**Fiber Optic Cable**
- Core Diameter: 1500μm, 1000μm, 800μm, 600μm, 400μm, 200μm, 100μm
- Length: 2 meter / 1 meter
- SMA/FCPC
- Wavelength: 200-2500nm
- Metal Jacketing

**Fiber Optic Cable**
- Core Diameter: 1500μm, 1000μm, 800μm, 600μm, 400μm, 200μm, 100μm
- Length: 2 meter / 1 meter
- SMA/FCPC
- Wavelength: 200-2500nm
- Metal Jacketing

**Multi-Furcated Fiber-Optic Cables**
- Core Diameter: 600μm, 400μm, 200μm, 100μm
- Furcation: 4//5/6/8 : 1
- Splitting Point: at the Middle with SMA/FCPC Connector
- Wavelength: 200-2500nm
- Metal Jacketing
New Age Instruments & Materials Pvt. Ltd.

Head Office
#12-15, IInd Floor, Apna Enclave, Railway Road, Gurgaon, Haryana-122001, India.
Phone No.: +91 124 4086513 | Fax No.: +91 11 66173680
email: sales@newagein.com | website: www.newagein.com

Branch Office
Mumbai, Bangalore, Hyderabad, Kolkata