**Disco**

Low timing jitter triggered supercontinuum laser

*Disco* is a supercontinuum laser with a very low timing jitter, less than 20 ns at 2kHz repetition rate. *Disco* is externally triggered with a unique design for easy synchronisation. Available with a spectral range down to UV, *Disco* has shown an excellent lifetime. *Disco* is the ideal alternative for probe light generation in time-resolved spectroscopy experiments.

**FEATURES**

- From UV to NIR 350-2400nm
- Externally triggered
- Easy synchronization
- Timing jitter < 20 ns at 2 kHz
- High energy per pulse >3µJ
- Spatially singlemode
- Maintenance-free
- Reliable all-fibered laser source

**APPLICATIONS**

- Pump/probe spectroscopy
- Flow cytometry
- OCT
- Microscopy
- Optical component characterisation

Typical timing jitter at 2 kHz repetition rate (5ns)
## Optical specifications

<table>
<thead>
<tr>
<th></th>
<th>Disco</th>
<th>Disco UV</th>
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</thead>
<tbody>
<tr>
<td>Spectral bandwidth</td>
<td>Min &lt; 420nm</td>
<td>&lt; 350nm</td>
</tr>
<tr>
<td></td>
<td>Max &gt;2400 nm</td>
<td>&gt;2200 nm</td>
</tr>
<tr>
<td>Total average power</td>
<td>&gt;10 mW</td>
<td>&gt;5 mW</td>
</tr>
<tr>
<td>Repetition rate</td>
<td>2 kHz</td>
<td>(other on request)</td>
</tr>
<tr>
<td>Seed pulse width</td>
<td>700 ps – 1 ns</td>
<td></td>
</tr>
<tr>
<td>Power stability</td>
<td>&lt; +/- 1 %</td>
<td></td>
</tr>
<tr>
<td>Spatial mode</td>
<td>Singlemode</td>
<td></td>
</tr>
<tr>
<td>Polarization state</td>
<td>Unpolarized</td>
<td></td>
</tr>
<tr>
<td>Output</td>
<td>FC/APC collimator (~1m armored cable)</td>
<td></td>
</tr>
<tr>
<td>Synchronization output</td>
<td>External trigger output</td>
<td></td>
</tr>
<tr>
<td>Interlock connector</td>
<td>2-pin LEMO</td>
<td></td>
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## Other specifications

<table>
<thead>
<tr>
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<th>Disco</th>
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<tbody>
<tr>
<td>Control interface</td>
<td>Front panel</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>+10°C to +40°C non condensing</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 8kg</td>
</tr>
<tr>
<td>Dimensions (LxWxh)</td>
<td>485x250x134 mm</td>
</tr>
<tr>
<td>Power requirements</td>
<td>100-240 V, 50/60 Hz</td>
</tr>
</tbody>
</table>

CAUTION – VISIBLE AND INVISIBLE LASER RADIATION AVOID EYE AND SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION CLASS 3B LASER PRODUCT

All specifications are subject to change without notice.