

## Supercontinuum Source SC-OEM

YSL Photonics' SC-OEM is the latest product designed with the compact footprint for the demanding medical and industry application. The SC-OEM, with single-mode fiber output, delivers a wide spectral output ranging from 400nm to 2400nm with up to 8W total power. The SC-OEM not only maintains the traditional supercontinuum light source excellent performance, but also sets aside DB25, RS232, NIM trigger, Pulse on Demand (POD) and many other control interface. The wide spectrum combined with laser beam quality makes it an ideal source for replacing traditional broadband source like lamp, LED, SLED or any number of laser lines in the system.

### Features:

- Wavelength 400nm-2400nm
- Total Power >8W
- Visible Power >1.5W
- Repetition Rate 0.1-25MHz
- Optional External TTL Triggerable

### Applications:

- Semiconductor Inspection & Metrology
- Industrial Sorting/ Machine Vision
- Medical Instrumentation
- Flow Cytometry
- Optical Coherence Tomography



## Specifications :

Model	SC-OEM
Total Power	>8W
Visible Power	>1.5W
Power Stability	<1%
Repetition Rate	100kHz-25MHz adjustable (minimum 100kHz step size)
Maximum Pulse Energy	Up to 2uJ
Wavelength Range	400nm-2400nm
Fundamental Pulse Width	~ 100 ps
Beam Diameter and Quality	~2mm@633nm; $M^2 < 1.1$
Beam Divergence (half angle)	<2mrad
State of Polarisation	Unpolarised
Length of Output Fiber	1.5m
Computer Interface	USB
Sync(trigger) Output	SMA NIM pulse
Power Requirements	100-240V 50/60Hz
Dimensions (L*W*H)	300mm*245mm*70 mm
Weight	<10kg