

## Supercontinuum Source SC-OEM

YSL Photonics' **SC-OEM** is the latest high power supercontinuum source with the compact footprint for the demanding medical and industry application. The SC-OEM, with 10kHz to 200MHz repetition rate range, delivers a wide spectral output ranging from 430nm to 2400nm with >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: 430nm-2400nm
- Total Power: >8W
- Visible Power: >900mW
- Repetition Rate: 10kHz-200MHz
- Optional External Triggerable: 1-80MHz

### Applications:

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



## Specifications :

	SC-OEM
Total Power	>8W
Visible Power	>900mW
Power Stability	<1%
Repetition Rate	0.01kHz-200MHz adjustable (Optional external triggerable 1-80MHz)
Maximum Pulse Energy	>1.2 $\mu$ J
Wavelength Range	430nm-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