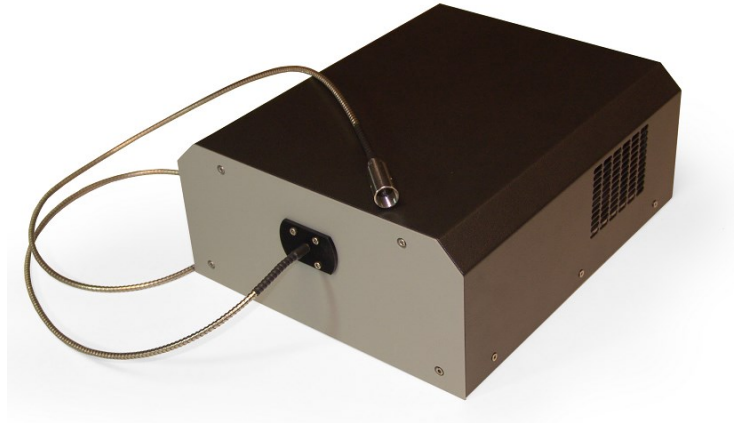


SC400

Supercontinuum laser

- Cost-effective high power supercontinuum laser
- <410-2400 nm output
- Watt level output power
- Simple interface
- 40 MHz repetition rate



The SC400 supercontinuum laser is engineered with cost in mind. If you need Watt level output power at MHz repetition rate, but don't need the features and options of the SuperK EXTREME or WhiteLase series, this is the laser for you.

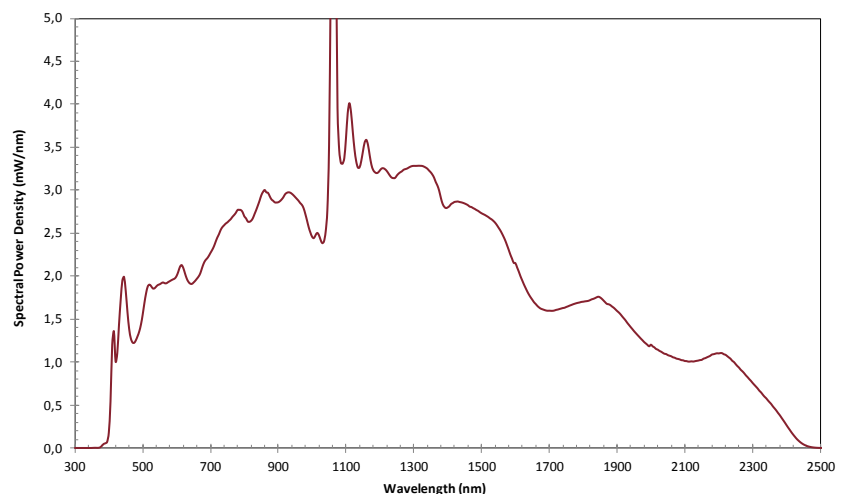
With >750mW of visible power and more than 3.5 Watts of total power in the 410-2400 nm region, the SC400 is as powerful as it is simple. The laser comes ready to use in a compact chassis with a power control potentiometer on the back.

Applications

- Spectroscopy
- Plasmonics & meta materials
- Material characterization
- Illumination



Typical output spectrum



Specifications

Optical

Repetition Rate	40 MHz +/- 2 MHz
Total power	> 3600 mW
Visible power (400-850 nm)	> 750 mW
Total power stability	< ± 1.0 %
Polarization	Unpolarized
Beam output	Gaussian, single mode
Typical M ² (>430 nm)	< 1.1
Output options	Collimated
Length of output fiber	1.5 m
Beam diameter	~1 mm at 633 nm ~2 mm at 1060 nm
Beam Divergence (over 400-1000 nm)	< 3 mrad

Typical single mode fiber coupling efficiency (>430 nm) > 70 %

Mechanical/Electrical

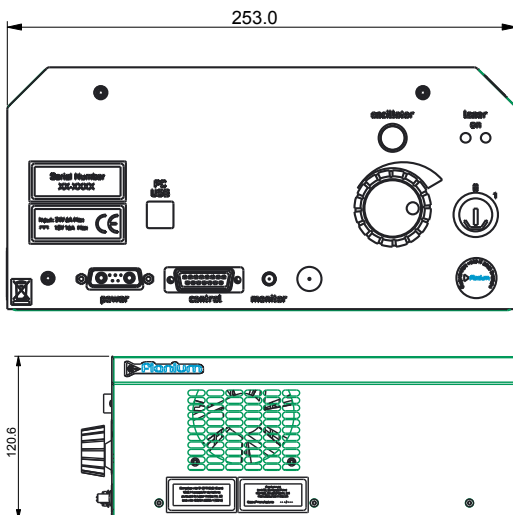
Computer Interface	USB
Operation Voltage	100-240 VAC 50/60 Hz
Power Consumption	< 150 W
Door Interlock Connector ¹	15 way D connector
System Cooling	Air Cooled
Operation Temperature	+15° to +30°C
Storage Temperature	-10° to +60°C
Dimensions (WxHxL)	250x300x120 mm ³
Weight	10 kg

1) The SC400 is a Class 4 laser and is required to be connected to a door interlock/circuit

All Fianium-branded products are produced under the UK quality management system certified in accordance with the ISO 9001:2008 standard.



SC400_COMPACT_170117



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