

Gloria-SC-N / SC-P / SC-P-UVE

Supercontinuum White-Light Sources

Three pulsed broadband fibre-source configurations: a nanosecond platform, a picosecond platform and a 450 ps UV-extended version. Compare their spectral coverage and repetition rates around the excitation and detection requirements.

Best suited to: Broadband pulsed illumination, wavelength selection and spectroscopy across visible and infrared bands.



Configuration

Choose pulse format and repetition rate before total power. Power available in a selected band depends on spectral density, filtering and coupling; total broadband power is not the power at one wavelength.

Specifications

Published parameters	
SC-N pulse format	Nanosecond
SC-P pulse format	Picosecond
SC-P-UVE pulse duration	450 ps
SC-N / SC-P stability	<0.5% RMS
SC-P-UVE stability	0.5% RMS

Supercontinuum configuration comparison

SC-P-UVE beam quality is specified at wavelengths above 430 nm. Published ranges and power figures describe each model configuration; verify spectral density at the wavelength of interest.

Model	Coverage	Total power	Repetition rate
Gloria-SC-N	420–2300 nm	7 W	100 kHz–1 MHz
Gloria-SC-P	420–2200 nm	7.5 W	160 kHz–80 MHz
Gloria-SC-P-UVE	380–2400 nm	Up to 7 W	1.5–3 MHz

Measurement features

- Published beam quality M^2 below or approximately 1.1, subject to model and wavelength.
- Random or unpolarised broadband output.
- SC-N and SC-P provide 1.5 m output fibre and BNC TTL synchronisation.

Full configuration: www.precisometer.com/spectroscopy/light-sources/supercontinuum