

SuperK GAUSS

Tunable, Gaussian spectral output for ultra high resolution OCT and white light interferometry

- Ideal for sub- μm resolution OCT
- Ultra wide bandwidth Gaussian spectral output
- Very high output power in one or two bands
- Tunable centre wavelength for each band
- Effortless Plug'n'Play design
- Includes SuperK CONNECT fiber delivery



The SuperK GAUSS is a tunable Gaussian spectral filter designed for Optical Coherence Tomography (OCT) and White Light Interferometric (WLI) applications, where the Gaussian output(s) provides clean artifact-free images with sub- μm resolution.

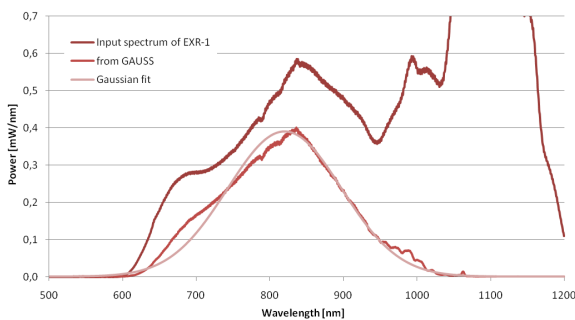
The SuperK GAUSS transforms the broadband output of a SuperK supercontinuum laser to a Gaussian output with a wide bandwidth.

Two Gaussian shaped spectra with different center wavelengths (e.g. 800nm and 1300nm) can be used simultaneously but independent from each other due to its unique design.

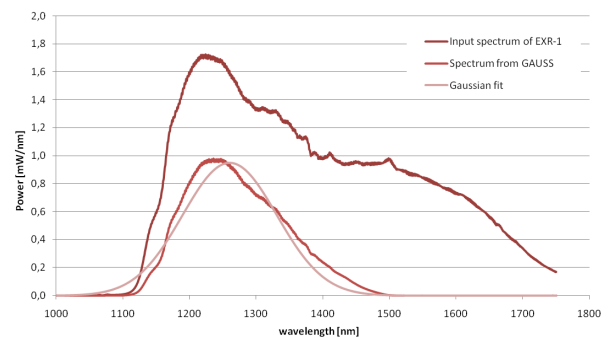
SuperK GAUSS Specifications

Wavelength Split Point	1050 nm
Output	SuperK CONNECT fiber delivery
Output fiber termination	Collimator or FC/APC connector
Spectral width*	170-200nm
Output Power*	70-700mW
Tuning range	650-850 nm and 1200-1400 nm

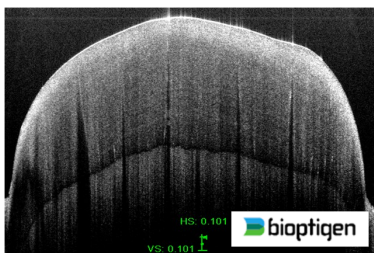
* Dependent on center wavelength and SuperK EXTREME source



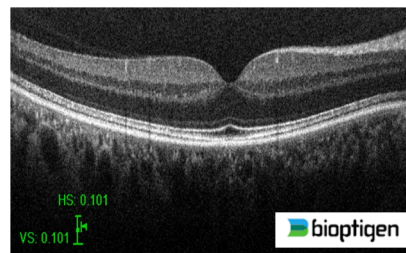
Example of output from the SuperK GAUSS used with the SuperK EXTREME EXR-1. 800 nm wavelength range.



Example of output from the SuperK GAUSS used with the SuperK EXTREME EXR-1. 1300 nm wavelength range.



Example of OCT image recorded using a SuperK with a GAUSS filter. Pictures shows the enamel-dentin boundary in a tooth.



Example of OCT image recorded using a SuperK with a GAUSS filter. Pictures shows the outer retinal layer in an eye.

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