



海纳光学

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Electro IR

— Supercontinuum lasers

— SCIENTIFIC

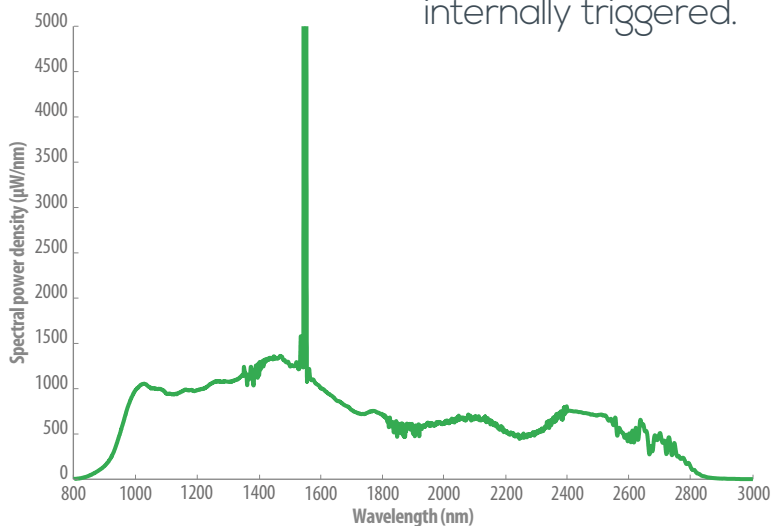
— NIR - MID IR



NIR SUPERCONTINUUM LASER



ELECTRO IR is a supercontinuum laser with a unique spectrum in the NIR from 900 nm up to 2800 nm. This laser can either be externally triggered by a simple TTL signal with low jitter, or internally triggered.

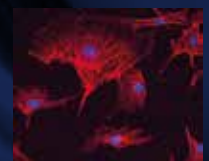
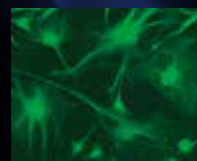


FEATURES

- NIR spectrum from 900 nm to 2800 nm
- Flat spectrum
- Spatially singlemode
- Total average power > 1.3 W
- High repetition rate
- Flexible fiber output
- Achromatic collimation (option)
- Maintenance-free
- Long lifetime

APPLICATIONS

- High resolution imaging
- Flow cytometry
- OCT
- Microscopy
- Optical component characterization



LEUKOS

Make a bright future

Electro IR

NIR SUPERCONTINUUM LASER

For easy synchronization, a trigger output is available. **ELECTRO IR** is the perfect tool for user who needs high power in the NIR spectral window.

OPTICAL SPECIFICATIONS		ELECTRO 250 IR	ELECTRO 2000 IR
Spectral bandwidth	mini	< 900 nm	< 900 nm
	max	> 2 800 nm	> 2 600 nm
Total average power		> 1.3 W (typ. 1W)	>400 mW
Repetition rate		250 kHz	2 MHz
Seed pulse width		1 ns	40 ps
Power stability		< +/- 1 %	
Spatial mode		Singlemode	
Polarization state		Unpolarized	
Output connection		FC/APC collimator (~1m armored cable)	
Trigger		Internal or external	
Synchronization output		Trigger output	
Interlock connector		2-pin LEMO	
OTHER SPECIFICATIONS			
Control interface		Front panel and USB	
Operating temperature		+10°C to +40°C non condensing	
Weight		< 8 kg	
Dimensions (LxWxh)		485x250x134 mm	
Power requirements		100-240 V, 50/60 Hz	

ADDITIONAL EQUIPMENT

Achromatic collimated output

Easy fiber coupling with Pop

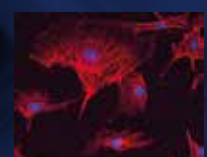
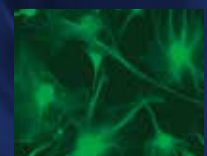
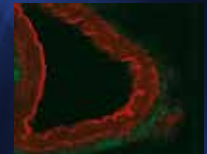
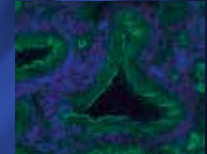
Tunable filters : AOTF, monochromators, custom

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— SCIENTIFIC
— NIR - MID IR



OPTION

Internal or external trigger
custom spectrum

Attenuation of the remaining pump
spike in the supercontinuum spectrum



CAUTION – VISIBLE AND INVISIBLE
LASER RADIATION AVOID EYE AND
SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT

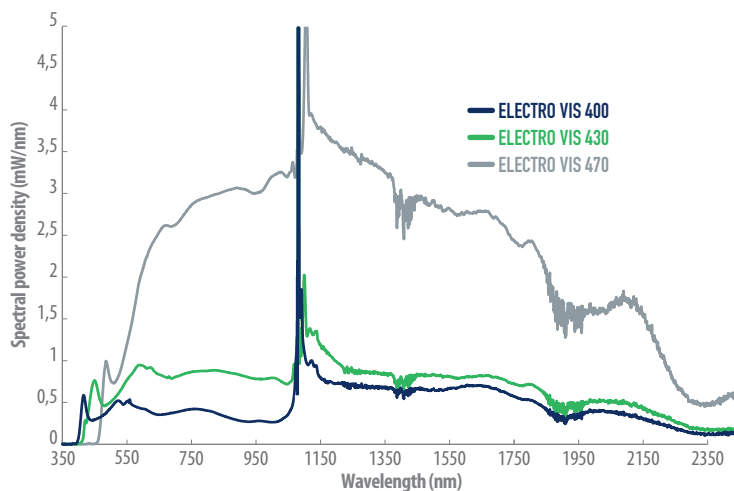
Electro VIS

WHITE LIGHT SUPERCONTINUUM LASER

NEW



ELECTRO VIS is the latest LEUKOS development. Focused on lifetime, power in the visible and ease of use, **ELECTRO VIS** integrates a high end, short pulse new technology. For application where reliability and cost reduction are important.



— Supercontinuum lasers
— SCIENTIFIC
— MID-POWER

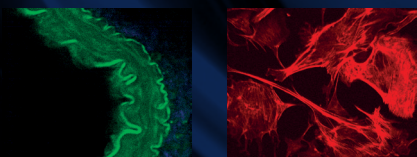


FEATURES

- Broadband 400 - 2400 nm
- Fibered output up to 4W
- Repetition rate 3-10 MHz
- Singlemode Gaussian
- Turn-key
- Highly reliable design
- Long-lifetime

APPLICATIONS

- Spectroscopy
- Optical component testing
- High resolution imaging (OCT)
- Metrology



LEUKOS
Make a bright future

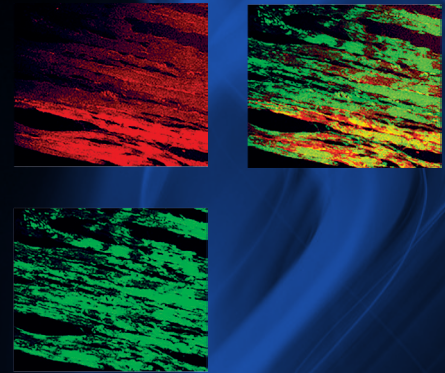
Electro VIS



WHITE LIGHT SUPERCONTINUUM LASER

ELECTRO VIS is available either in benchtop or OEM format.

— Supercontinuum lasers
— SCIENTIFIC
— **MID-POWER**



OPTICAL SPECIFICATIONS		ELECTRO VIS 400	ELECTRO VIS 430	ELECTRO VIS 470
Spectral bandwidth	minimum	< 400 nm	< 430 nm	< 470 nm
	maximum	> 2 400 nm	> 2 400 nm	> 2 400 nm
Total average power		> 1 W	> 1.25 W	> 4 W
Visible power (< 850 nm)		> 150 mW	> 250 mW	> 900 mW
Repetition rate		3 MHz	3 MHz	10 MHz
Seed pulse width		< 100 ps		
Power stability		< +/- 1.5 % (pk to pk)		
Spatial mode		Singlemode		
Polarization state		Unpolarized		
Output connection		FC/APC collimator (~ 1m armored cable)		
OTHER SPECIFICATIONS				
Control interface		Front panel and USB		
Operating temperature		+15°C to +35°C non condensing		
Weight		< 20 kg		
Dimensions (LxWxh)		435x455x145 mm		
Power requirements		100-240 V, 50/60 Hz		

ADDITIONAL EQUIPMENT

Achromatic collimated output

Easy fiber coupling with Pop

Tunable filters : AOTF, monochromators, custom

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OPTION

Other spectrum on request

Longer pulse width on request



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