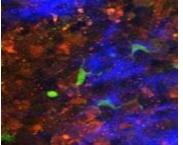
ALCOR 920-4 W







920 nm / <140 fs PULSES / HIGHEST POWER / HIGH REPETITION RATE

ULTRA-COMPACT, POWERFUL FEMTOSECOND LASER FOR TWQ-PHONON EXCITATION

ALCOR 920-4W is the ONLY femtosecond laser offering such a high average power with a fixed wavelength at 920 nm with the very same form factor as standard ALCOR series. SPARK LASERS has especially designed and developped this higher power laser for larger surface imaging for Multiphoton microscopy instrumentation and industrial OEM integration working with 24/7 operations, in an ultra-compact, robust and air-cooled format. While being air-cooled and designed with utmost accuracies, it may be mounted in all imaginable positions and environments allowing eased and simplified use with direct injection within any microscope for large span of applications.

The ALCOR 920-4W is ideal for higher power, larger surface unequalled performances with 50 nJ of pulse energy and >350 kW of peak power allowing higher brilliance and contrast for two-photon imaging of green fluorophores (GFP) and calcium indicators such as GCaMP.

This higher power ALCOR keeps offering the widest tunability range for GDD precompensation that can possibly be found on the market.

The laser can be optionally equipped with XSight fully integrated electronics for fine and fast analog power modulation through GUI or TTL signal including gating.

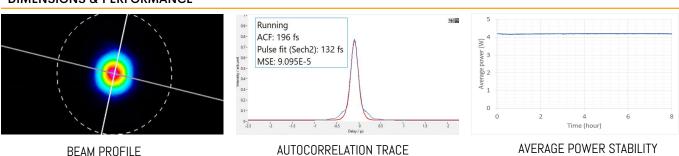
SPARK LASERS is leading the market since ALCOR has been answering market's needs by offering single wavelength, designed for microscopy, advanced features, maintenance-free, best-in-class per its cost of ownership/performance report.

Contact: +33 557 977 472 / info@spark-lasers.com

TECHNICAL SPECIFICATIONS*

ALCOR	ALCOR XSight
4W	3W
920	ınm
<14	
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	<u>, , , , , , , , , , , , , , , , , , , </u>
	1 mm
	TTL & ANALOG
Alignment mode or Full power	0 to 100 %
< 5	min
FREE	SPACE
< 1% RMS	< 1%
linear, >	100:1
High speed external synchronisation (Sync. Out),	communication through USB, RS 232, TCP/IP with
	r fast intervention
Intuitive GUI, Ser	ial communication protocol
100 to 2	240 VAC, < 150 W
252 x 151 x 91 mm ³	387 x 151 x 91 mm ³
< 5 kg (with collimated beam)	< 7 kg (with collimated beam)
E WEIGHT 19"/3	3U rack – 7,5 kg
	2 m
/////	Air cooled
IFNOV	40.1415
	40 MHz Ise duration available upon request
	4W 920 <14 (with standard GDD precompensation from Fixed 80 MHz Fixed 80 MHz <1 mm N/A > 0.9 Alignment mode or Full power <5 FREE <1% RMS linear, > High speed external synchronisation (Sync. Out), remote control for Intuitive GUI, Service 100 to 2 252 x 151 x 91 mm³ <5 kg (with collimated beam) WEIGHT 19"/3

DIMENSIONS & PERFORMANCE









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