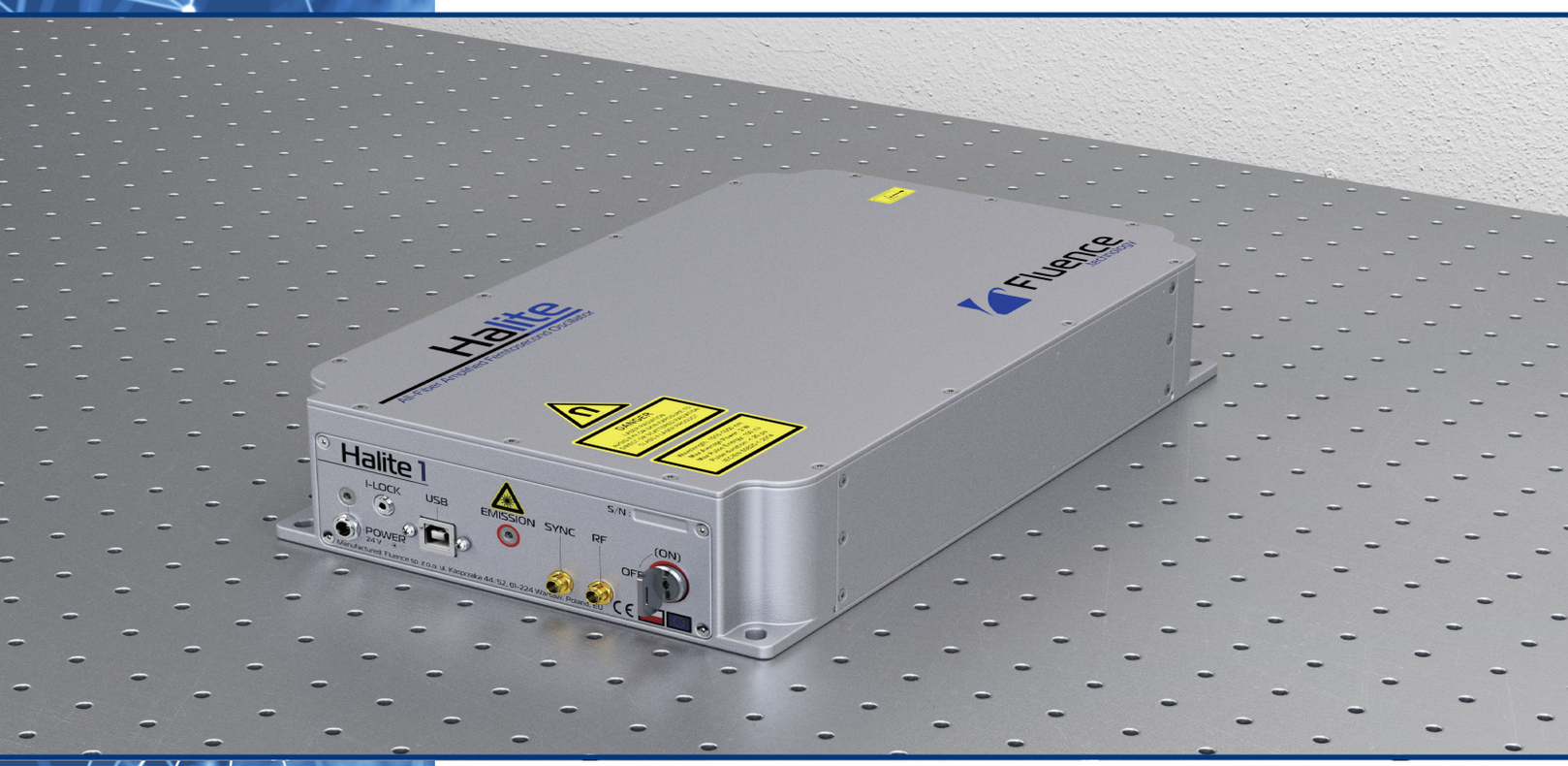
Fluence .technology

Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

Halite

Truly All-Fiber Amplified Femtosecond Oscillator



Halite is a compact, **single-box**, all-fiber femtosecond laser, specifically designed to meet the most demanding applications in the field of neuroscience, biophotonics, microscopy and engineering. With pulses as short as **< 180 fs**, average power up to 2 W at 1030 nm and option of second harmonic at 515 nm, it is an irreplaceable tool in every lab that needs a reliable, turn-key, ultrafast light source. Thanks to its unique construction and SESAM-free technology it is a cost-effective solution that provides high pulse energy (up to **100 nJ**) with an excellent beam quality. Halite's industrial design facilitates easy integration with both experimental and commercial systems.

Technical specification:

Preliminary

	Halite 1	Halite 2	Halite HE
Maximum average power	> 800 mW	> 2 W	> 5 W
Pulse duration	< 200 fs	< 200 fs	< 250 fs (FWHM) – 6 ps, automated tuning option
	with standard GDD precompensation from 10.000 down to - 100 000 fs^2 (factory preset) *		
Maximum pulse energy	> 35 nJ	> 100 nJ	> 250 nJ
System base repetition rate	20 ± 2 MHz		
Polarization	Linear, vertical		
Central wavelength	1030 ± 5 nm		
Cooling method	Air		
Optional wavelength outputs	515 nm, 343 nm, 258 nm		
Beam quality (M^2)	< 1.2		
Laser control software	Included		

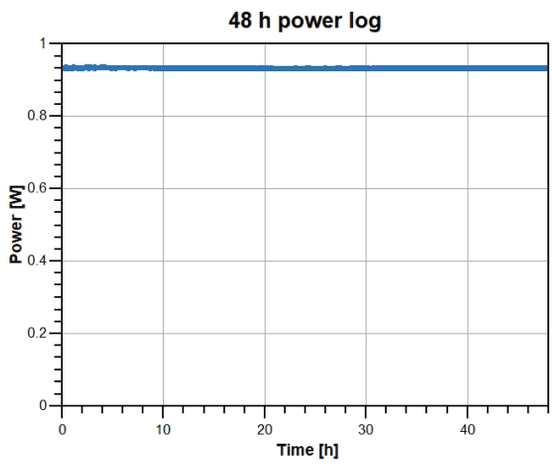
*Optional computer controlled GDD precompensation tuning 10.000 down to - 50.000 fs^2

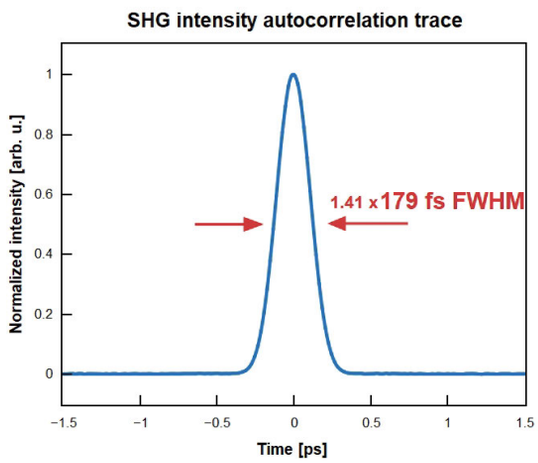
Not exactly what you are looking for?
Get in touch with us and let us help you out.

Physical specification:

Preliminary

	Halite 1 / Halite 2	Halite HE
Size	350 (L) x 230 (W) x 60 (H) mm^3	500 (L) x 280 (W) x 100 (H) mm^3
Weight	3 kg	< 5 kg
Electrical	Power adapter 24 V DC, < 5 A	Power adapter 24 V DC, < 5 A
Operating temperature	15 – 35 °C	15 – 35 °C
Operating humiality	Non-condensing	Non-condensing





All specifications are subject to change without prior notice due to continuous improvements.

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