



ATLEX LR

A new generation of compact air-cooled, excimer lasers, designed for low duty cycle applications



ATLEX-LR main features:

- Extremely fast pulse rise-time and peak power density
- Laser head volume < 3l
- TMC (Total-Metal-Ceramic) vessel
- Integrated vacuum pump & halogen filter
- Totally air-cooled, active thermal management
- RS-485, RS232, USB and fiber optic interface for system integration
- Flushable optics holder
- Energy stabilization mode
- Dynamic fan speed controls
- Meets European CE-standard
- RoHS compliance

Details

Characteristics

- Optimized 193 nm laser performance for LA-ICP-MS.
- Similar technical parameters as the ATLEX-I.
- Extremely fast pulse rise-time and peak power density

Date

- 30th April 2015

ATLEX-LR Specifications		
Gas Medium	ArF	Units
Wavelength	193	nm
Max. Pulse Energy ¹	12	mJ
Max. stab. Energy	10	mJ
Pulse Duration ²	5	ns
Beam Dimensions ² (V x H)	4 x 6	mm
Beam Divergence ² (V x H)	1 x 2	mrad
Energy Stability (standard deviation)	< 2	%
Dimensions (LxWxH) click here for details	540 x 470 x 370	mm
Weight	60	kg
Cooling	Air	
Power requirement	230 VAC / 6,3 A / 1 phase / 50-60 Hz	

All specifications are typical data and subject to change without notice due to product improvements.

¹ Measured at low rep.rates; allow 10% reduction of output energy and power for laser equipped with stabilization mode.

² Typical value, FWHM