

DL SERIES DYE LASERS



DL series dye lasers convert the output of Elforlight pulse lasers to other useful wavelengths, whilst maintaining the benefits of short pulses and high repetition rates. The self-contained dye reservoir and pump enable operation for several weeks on one dye fill. Options of broad and narrow (15 to <1nm) wavelength bandwidth are available.

Model Name	DL-10-5	DL-1-50
Maximum Pulse Energy	> 5 μ J	> 50 μ J
Minimum Pulse Width	< 2ns	< 5ns
Repetition Rate	Single shot to > 10kHz	Single shot to > 1kHz
Jitter	< +/- 1ns from external trigger input (typ.0.5ns)	
Wavelength	In range 560 – 610nm (Other dyes/wavelengths available)	
Beam Diameter	~ 1mm	
Line Width	~4nm	
Dye Head Size	270mm long x 122mm x 60mm	
Dye Used	Pyrromethene 597	



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