

Disco

Low timing jitter triggered supercontinuum laser

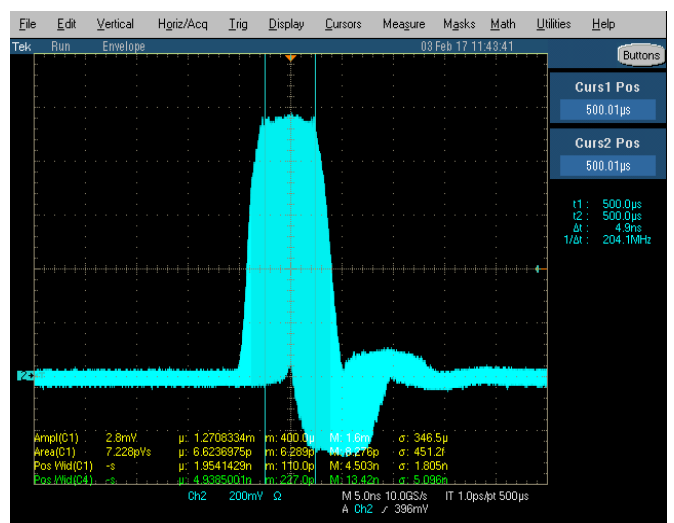
Disco is a supercontinuum laser with a very low timing jitter, less than 20 ns at 2kHz repetition rate. **Disco** is externally triggered with a unique design for easy synchronisation. Available with a spectral range down to UV, **Disco** has shown an excellent lifetime. **Disco** is the ideal alternative for probe light generation in time-resolved spectroscopy experiments.

FEATURES

- From UV to NIR 350-2400nm
- Externally triggered
- Easy synchronization
- timing jitter < 20 ns at 2 kHz
- High energy per pulse >3μJ
- Spatially singlemode
- Maintenance-free
- Reliable all-fibered laser source

APPLICATIONS

- Pump/probe spectroscopy
- Flow cytometry
- OCT
- Microscopy
- Optical component characterisation



Typical timing jitter at 2 kHz repetition rate (5ns)



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Optical specifications		Disco	Disco UV
Spectral bandwidth	Min	< 420nm	< 350nm
	Max	>2400 nm	>2200 nm
Total average power		>10 mW	>5 mW
Repetition rate		2 kHz (other on request)	
Seed pulse width		700 ps – 1 ns	
Power stability		< +/- 1 %	
Spatial mode		Singlemode	
Polarization state		Unpolarized	
Output		FC/APC collimator (~1m armored cable)	
Synchronization output		External trigger output	
Interlock connector		2-pin LEMO	

Other specifications

Control interface	Front panel
Operating temperature	+10°C to +40°C non condensing
Weight	< 8kg
Dimensions (LxWxh)	485x250x134 mm
Power requirements	100-240 V, 50/60 Hz

