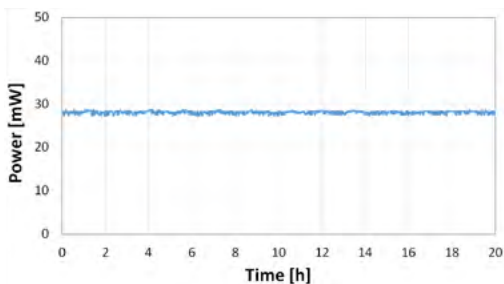




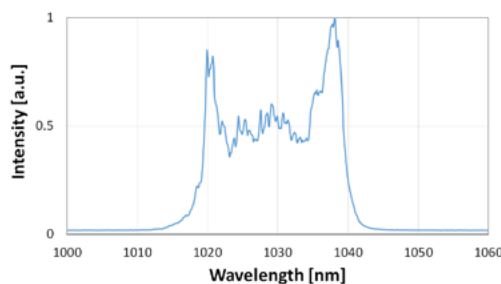
GOpico® | GO2micro | GO femto FIBRE OSCILLATOR

New generation fibre oscillators

GOpico® / GO2micro / GO femto is a mode-locked all-normal dispersion (ANDi) fibre oscillator with mode locking obtained by nonlinear polarization rotation. The robust design guarantees excellent stability and maintenance free operation. It makes an excellent choice as a seed source for single amplifiers and compact front-ends of DPSSLs.



01 POWER STABILITY (<1.3 % RMS OVER 20 HOURS AT AMBIENT TEMPERATURE OF 23°C)



02 TYPICAL GOpico® SPECTRUM

Strengths

- Compact design
- Stable and reliable seed source
- Low and easy maintenance operation

Option Features

- GO femto and GO2micro versions
- Built-in photodiode with SMA connector for external synchronization
- Frequency stabilization

Technical Specifications

	GOpico®	GO2micro	GO femto
OPTICAL			
Wavelength [nm]	1030	2072	1030
Energy per pulse [nJ]	> 1	< 1	< 2
Output power [mW]	30	10	100
Pulse duration [ps]	6	< 2	< 0.1
Repetition rate [MHz]	20 – 40	20	50
Bandwidth [nm]	< 15	< 4	< 50
Power stability RMS	< 1%	< 1%	< 1%
External interfaces	Fibre-coupled output, FC/APC*, trigger output SMA connector		
MECHANICAL			
Dimensions	170 x 130 x 96 mm ³		190 x 160 x 96 mm ³
Cooling	passive		passive
OPERATING REQUIREMENTS			
Operating voltage	5 VDC		
Power consumption	< 30 W		
Operating temperature	22 ± 0.5 °C		
Relative humidity	20 – 50 % (non-condensing)		

*SM or PM

- ✓ Proven and tested in our own laser systems
- ✓ Continuously updated system

Areas of Application

Seed laser for laser systems used in:



DRILLING AND CUTTING OF COMPOSITES, CERAMICS, PLASTICS, METALS AND ALLOYS



SURFACE MICRO STRUCTURING



PUMP SOURCE FOR MID-IR OPTICAL PARAMETRIC AMPLIFIERS (OPAS)



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