

Q-OPO

Compact nanosecond Optical Parametric Oscillator



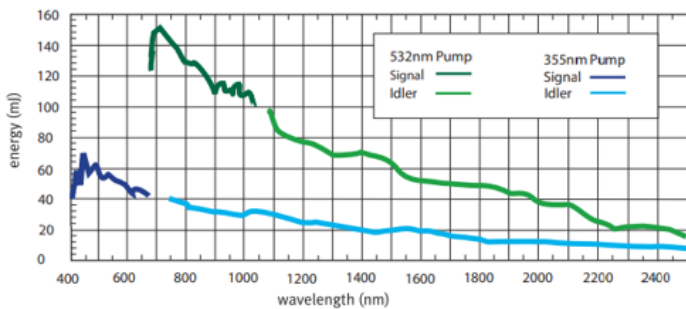
MAIN FEATURES

- Single resonant cavity for excellent beam quality
- Sealed oscillator to ensure crystal longevity
- Single or dual outputs operation
- IRO option for simultaneous access to residual frequencies
- OPO in 532 nm or 355 nm version
- Integrated safety interlocks

MAIN APPLICATIONS

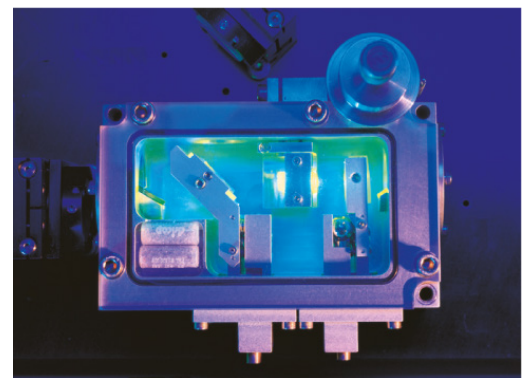
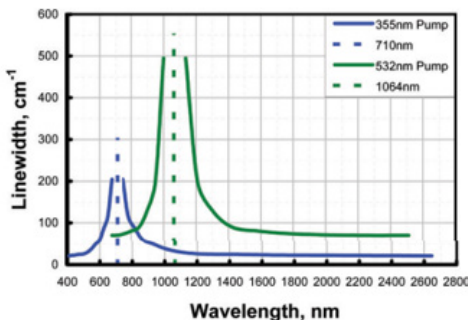
- PHOTOACOUSTIC IMAGING
- BIOLOGICAL SAMPLE EXCITATION
- SPECTROSCOPY
- MATERIAL ANALYSIS
- LASER INDUCED FLUORESCENCE

Typical tuning curve



Pump energies: 350 mJ @ 532 nm, 200 mJ @ 355 nm, 10 Hz

Typical linewidth



Q-OPO sealed oscillator

www.quantel-laser.com

Many options and configurations are available. Please contact Lumibird to find the best match for your needs and compatibility between options.



Lumibird has locations across the globe that are available to provide support for any product, service or inquiry. Visit www.lumibird.com to connect with any of our global sites.

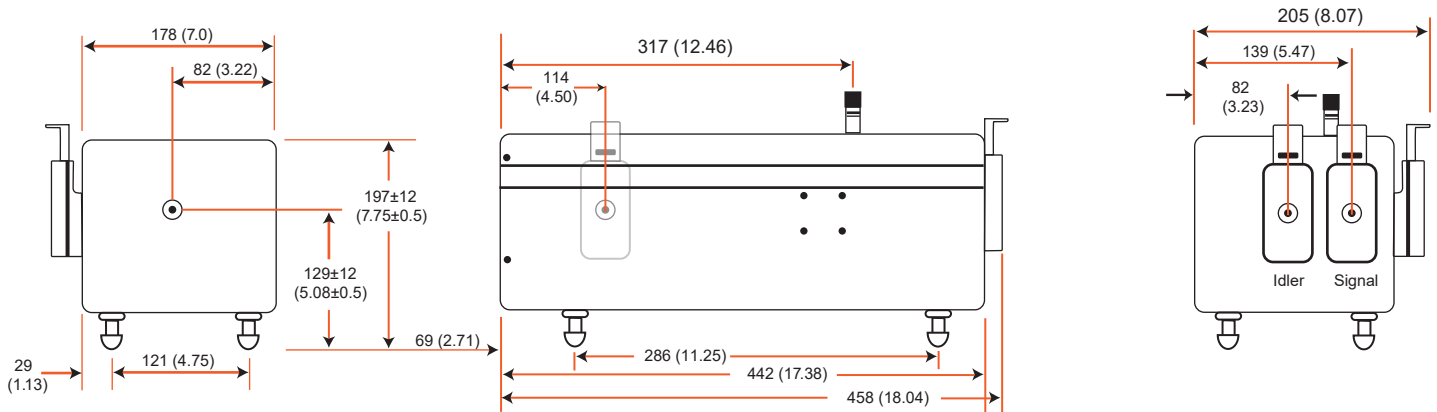
SPECIFICATIONS

	Q-OPO 532			Q-OPO 355		
Wavelength (nm)	680 - 2500			410 - 2500		
Peak energy (mJ)	70	65	125	45	42	70
Repetition rate (Hz)	10	20	10	10	20	10
Pulse duration (ns)	3 - 5			3 - 5		
	Pump laser					
	Q-smart 450		Q-smart EX	Q-smart 450		Q-smart EX
Wavelength (nm)	532			355		
Energy per pulse (mJ)	220	200	350	130	120	200 (*)

(*) specific optimization

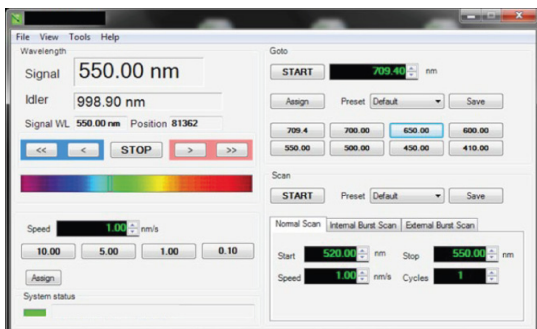
DIMENSIONS

Dimensions in mm (inches)



OPTIONS

PC control option



The PC Control option gives full control of all scanning features via a simple Windows® platform. Input your wavelength and scan range of choice, select the scan speed and the Q-OPO computer control will ensure optimal performance every time. This option also provides a link between both laser and lab instrumentation - an essential feature for system automation and/or data collection. The standard Q-OPO comes with a micrometer for manual control giving easy access to the broad OPO tuning range.

IRO option

The IRO option provides simultaneous access to residual frequencies, enabling secondary experiments.



DANGER
INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT