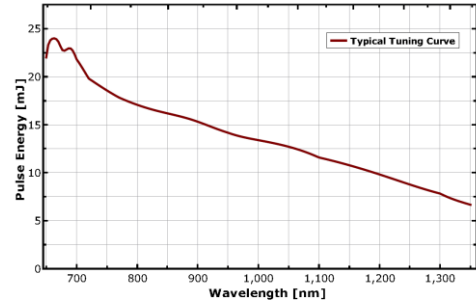


## M-NANO-OPO Nanosecond Tunable OPO Lasers 660-1300nm [PR195]



### Description

These **M-NANO-OPO** lasers are particularly compact nanosecond OPO-laser system pumped by an M-NANO with SHG as the front end. It is **19"-rack compatible**, and is designed for **mobile instrumentation** in the fields of medicine and analytics.

The M-NANO-OPO is **all-in-one**, i.e. it includes all electronics/drivers, and **air-cooled**, and it provides **shot-to-shot-tunability** over a wavelength range from 660 nm to 1300 nm.

### Application Examples

PA - Photoacoustic Imaging  
Illumination

Fluorescence applications  
Research

### Features

- Fiber bundle port #1 (660 ... 1300 nm output)
- Fiber bundle port #2 (optional, for residual 1064 nm)
- Fast wavelength switching: any wavelength sequence from shot to shot (programmable)
- Can be integrated into 19" rack housing
- Designed for compact and mobile instrumentation
- Optional free-space output
- Optional idler output (900-2500 nm)

### Specifications

M-NANO-OPO Product Number	PR195	PR195C2
Wavelength (center) @ port #1	660 ... 1300 nm	660 ... 1300 nm
Pulse Energy @ port #1	20 mJ (@690 nm)	40 mJ (@690 nm)
Average output power	0.4 W (@690 nm)	0.4 W (@690 nm)
Pulse repetition rate*	20 Hz	10 Hz
Pulse duration (FWHM)	7 ns (+/-5 ns)	7 ns (+/-5 ns)
Fiber bundle optical aperture	5 mm	5 mm
Trigger output	TTL into 50 Ohms	TTL into 50 Ohms
Trigger output timing jitter wrt pulse	< 1ns (rms)	< 1ns (rms)
Supply voltage	24 VDC	24 VDC
Size (l x w x h)** (incl driver & air-cooling)	~346 x 414 x 167 mm	~346 x 464 x 167 mm
Ambient temperature	15 ... 30°C	15 ... 30°C
Acoustics	Quiet operation	Quiet operation

\* higher rep rates at reduced energy available upon request  
\*\*not including connectors, shutter, screws.

### Dimensions

