



Portable UV-VIS-NIR Tunable Laser System



Approx. Dimensions: in (cm)
Approx. Weight: 25 lbs (11 kg)

- ① All tunable beams exit a single port
- ② Residual 1064 nm access (optional)
- ③ Residual 355 nm access (included)
- ④ Residual 532 nm access (optional)

Features

- broad tuning range
- high pump-to-OPO conversion efficiency
- pump laser and OPO in all-in-one compact housing
- entire system hermetically sealed
- software development kit (SDK) available
- no installation needed
- 50 million pulse flash lamp lifetime
- hands-free, pc-controlled tuning (SCAN/BURST)
- externally triggerable

Specifications

20 Hz Repetition Rate
7 ns Pulse Length (FWHM)
3 or 4 mm Beam Diameter
4 - 7 cm⁻¹ Linewidth
Linearly Polarized
< 2 mrad Divergence (Signal)

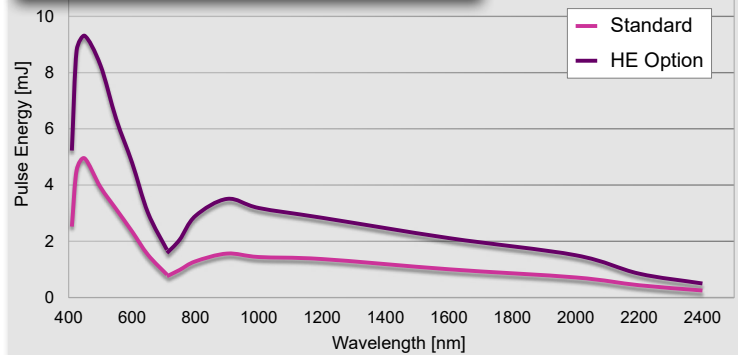
Power Supply**
17 in (44 cm) x 14.2 (36) x 5.3 (13)
Weight: 31 lbs (14 kg)
Closed-loop Air-water Cooling

Control Electronics**
11.5 in (29 cm) x 10.3 (26) x 3.8 (9.5)
Weight 5 lbs (2.3 kg)

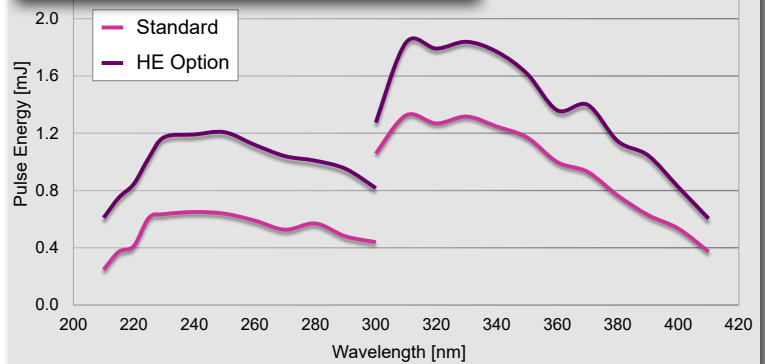
** Universal Line Voltage
Rackmount Version Available

All specifications are subject to change due to ongoing product improvements.

OPO Range (410-2400 nm)*



UV Range (210-410 nm)*



*Tuning curves represent nominal values.

Options

Fiber Delivery Kit

Includes 2.5 m long, 1 mm diameter optical fiber with 0.22 NA, focusing/imaging optics/mounts and SMA on input/output connectors. 300-2400 nm only

Motorized Variable Attenuator

Optically vary the OPO pulse energy from 0 - 100 % (reduces max OPO energy output). Available for 410-2500 nm only

Wavemeter

Real-time wavelength monitoring, closed loop tuning, motorized harmonics, harmonics auto-optimization

