

Compact Laser Module Without Compromises

Miniaturized Laser Module

KEY FEATURES:

- * Output powers up to 1W
- * High beam quality and stability
- * Broad selection of wavelengths and fine-tuneable
- * Modulation up to 1.5 MHz
- * Temperature-stabilized
- * Wavelength-stabilized systems available
- * Control Software Ltunes included
- * Two different controller versions
- * Fiber coupler & fibers available

PowerBox laser controller

KEY FEATURES:

The PowerBox is a miniaturized laser controller for the Lambda Beam series of Laser modules, providing power to the laser and controlling the emission and temperature. It is designed for industrial integration where small sizes and weights are important.

- * Attaches directly to the laser head
- * Highly compact design
- * Straightforward connection via screw-type terminal block
- * Digital control via USB (RS-232 on request)
- * Powered by 12 - 36 V DC
- * Modulation input analog or digital 0 - 5 V DC
- * Interlock on/off input

Alternatively, the **PowerController^{RS}** can be used, featuring larger connectors and a keyswitch.


PowerController
Accessories e.g.

Fiber Coupler

Optical fiber cable

Shutter

Type	Wavelength	Maximum output power mW
Diode	375 nm	20, 70, 200* ¹
Diode	395 nm	50, 120
Diode	405 nm	40, 75, 125, 175, 200, 300* ² , 500* ^{1*2} , 1000* ^{1*2}
Diode	415 nm	50, 120
Diode	420 nm	50
Diode	422 nm	120
Diode	425 nm	50
Diode	430 nm	50
Diode	435 nm	50
Diode	440 nm	50
Diode	445 nm	50, 100, 500* ^{1*2} , 1000* ^{1*2}
Diode	450 nm	75, 1000* ^{1*2}
Diode	455 nm	50, 100
Diode	460 nm	50
Diode	465 nm	50
Diode	470 nm	50
Diode	473 nm	100
Diode	488 nm	50, 200
Diode	505 nm	75
Diode	510 nm	75
Diode	515 nm	25, 75
Diode	520 nm	50, 80, 120, 500* ^{1*2}
Diode	532 nm	75, 100, 125, 175, 200
DPSS	532 nm	125, 175, 200 narrow line NL
Diode	633 nm	75
Diode	635 nm	75, 125
Diode	638 nm	75, 125, 175, 250* ^{1*2} , 500* ^{1*2}
Diode	642 nm	75, 150
Diode	650 nm	150* ¹
Diode	660 nm	75, 120, 200
Diode	670 nm	15, 250 * ^{1*2}
Diode	675 nm	200
Diode	685 nm	40
Diode	690 nm	30
Diode	705 nm	40
Diode	730 nm	40
Diode	760 nm	10
Diode	780 nm	50
Diode	785 nm	100, 200, 300* ² , 400* ²
Diode	805 nm	500* ^{1*2}
Diode	808 nm	75, 150, 1000* ^{1*2}
Diode	820 nm	100
Diode	825 nm	200
Diode	830 nm	45, 75, 125, 225, 1000* ^{1*2}
Diode	840 nm	50, 175
Diode	852 nm	75, 125
Diode	880 nm	10
Diode	905 nm	10, 175
Diode	915 nm	75, 125, 175, 250* ² , 1000* ^{1*2}
Diode	940 nm	75, 125, 175, 200* ¹ , 250* ²
Diode	980 nm	75, 125, 175, 250, 1000* ^{1*2}
Diode	1064 nm	125, 175, 300* ² , 450* ² , 1000* ^{1*2}

Lambda Beam Wavelock™
Highly stabilized compact laser system

Wave-length	max. output power mW	Coherence length
405 nm	12, 25, 40	> 1.0 m
633 nm	40, 70	> 10.0 m
638 nm	120	> 2.0 m
640 nm	32	> 1.0 m
658 nm	35	> 1.0 m
685 nm	45	> 3.0 m
785 nm	100	> 1.5 m
785 nm	225	> 10.0 m
808 nm	120	> 2.0 m
808 nm	450* ²	> 10.0 m
852 nm	550* ²	> 10.0 m


KEY FEATURES:

- * Incredibly small yet fully featured
- * Output powers up to 75 mW
- * Powered via USB: no extra power adapter required
- * Control Software Ltunes included
- * Excellent value for money

Lambda Mini EVO

Wavelength	Maximum output power mW
405 nm	15, 50
450 nm	75
488 nm	50
515 nm	25
520 nm	50
640 nm	75
660 nm	75
685 nm	40
785 nm	75
830 nm	50

Lambda Mini FIBER

Wavelength	Maximum output power mW
400 nm	30
405 nm	15, 50
445 nm	30, 50
460 nm	50
488 nm	30
520 nm	30, 50
635 nm	30, 50
660 nm	50
670 nm	50
705 nm	15
730 nm	15
785 nm	50
820 nm	50
830 nm	50
905 nm	50
940 nm	50
1064 nm	15
1310 nm	10
1550 nm	10



- *¹ Multi-mode
- *² Watercooler option recommended
- *³ on request

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