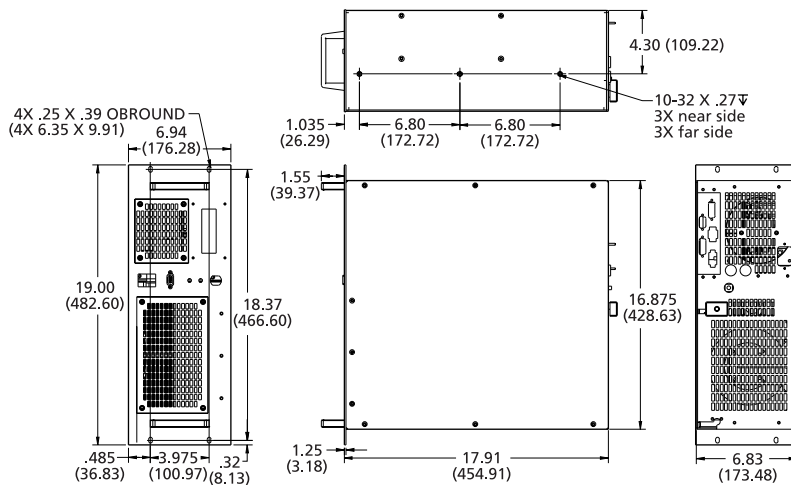


Integra-MP Industrial Diode Laser Systems

The Integra-MP is a rack-mounted diode laser system which offers a compact and rugged design for demanding industrial environments. The diode laser system was designed for OEM industrial applications which require high reliability and low maintenance. The system incorporates thermal management and microprocessor operation for controlled and repeatable performance.

The Integra-MP is available in 15, 30, or 60 watt power levels with fiber bundle diameters ranging from 1.2mm to 0.85mm. The fiber bundles are contained in an industrial stainless steel jacket with a SMA 905 terminal connector. The system is microprocessor based, which allows automatic control of all system parameters through a RS232 interface. The system is also accompanied by a graphical computer interface which offers flexible control and integration.



All dimensions in inches (mm)

Ordering Information

Ordering Information	
I20-8S-15KS	15 watts of output power at 810nm \pm 10nm wavelength
I20-9S-15KS	15 watts of output power at 915nm \pm 10nm wavelength
I40-8S-30KS	30 watts of output power at 810nm \pm 10nm wavelength
I40-9S-30KS	30 watts of output power at 915nm \pm 10nm wavelength
I80-8C-60KS	60 watts of output power at 810nm \pm 10nm wavelength
I80-9C-60KS	60 watts of output power at 915nm \pm 10nm wavelength

Integra-MP Industrial Diode Laser Systems Specifications

Configurations

Model	Terminal Type	Numerical Aperture	Fiber Diameter	Output Power
I20	SMA 905	0.12	0.850 mm	15W
I40	SMA 905	0.12	0.850 mm	30W
I80	SMA 905	0.12	1.200 mm	60W

Environmental & Physical Characteristics ^{1,2}

Operating Conditions	
Warm-up time	15 minutes
Temperature range	18°C - 35°C
Altitude	0 - 3,000 meters
Humidity	8 - 85%, non-condensing
Nonoperating Conditions	
Temperature range	-20°C - 50°C
Altitude	0 - 12,000 meters
Humidity	8 - 95%, non-condensing
Utilities	
Operating voltage	100 - 240 VAC \pm 10% 50 - 60 Hz (autoranging)
Power consumption	< 1000 W (500 W typical)
Cooling	Forced air, internal fan

Notes:

1. Due to our continuous product improvement program, specifications are subject to change without notice.
2. Custom modifications and configurations for specific applications are available. Consult the factory for additional information.

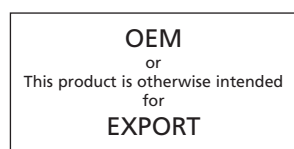
Physical Characteristics	
Model	Weight
I20	21.9 kg (48.2 lbs)
I40	21.9 kg (48.2 lbs)
I80	25.5 kg (56.2 lbs)

Warranty

Spectra-Physics' Integra-MP industrial diode laser systems are protected by a 12-month, unlimited hour warranty. All components and assemblies are unconditionally guaranteed to be free of defects in workmanship and materials for the warranty period, beginning from the date of shipment. This warranty is in lieu of all other warranties, expressed or implied, and does not cover incidental or consequential loss. This warranty does not apply to devices damaged due to operating conditions outside of the specified operating parameters. Custom warranties for OEM customers are available.

Notice

This laser product is intended to be sold to a manufacturer of electronic products for use as a component (or replacement thereof) in such electronic products. As such, this product is exempt from DHHS performance standard for laser products in accordance with paragraph 1040.10(a)(1) or (2).



ISO 9002 Certified



Corporate Headquarters

1335 Terra Bella Avenue
Mountain View, CA 94043
Tel: 1-800-SPL-LASER (775-5273)
Tel: (650) 961-2550
Fax: (650) 964-3584
E-mail: sales@splasers.com
www.spectra-physics.com

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