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Key Features

- ***Fully-featured LabLaser 6 VDC power supply***
- ***Variable laser power control***
- ***Keylock, emission delay and remote interlock***



Diode LabLaser Universal Power Supply

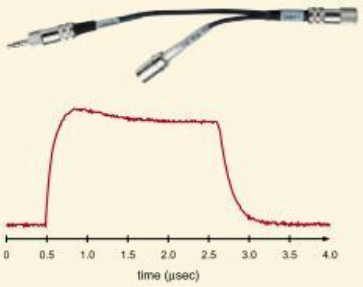
The Diode LabLaser™ Universal Power Supply provides a well-regulated 6 VDC, 250 mA output for driving any of the Coherent Diode LabLasers with the additional benefit of variable power control. To vary the output power of the Diode LabLasers which incorporate the Variable Power and Modulation Control circuitry simply adjust the multi-turn knob on the front panel of the 31-1050 power supply. This varies a voltage on the "third wire" connection in the laser cables and the laser power can be smoothly varied between threshold and the rated power. The supply incorporates CDRH safety features (keylock, power-on indicator, 4-6 second emission time delay and remote interlock socket), is CE-marked and meets appropriate UL, CSA, and EN requirements.

This compact (120 x 76 x 48 mm) power supply can be connected to any 90-130 or 180-260 VAC 50/60 Hz supply. There is an IEC 320 input socket and a 1.8 m detachable line cord with plug provided. The output to the laser features an easy connect/disconnect 3-terminal jack socket on the front panel which mates to the male plugs of the cables connected to all Diode LabLasers.

31-1050-000	**LabLaser Power Supply**	Power Supply, LabLaser, 6VDC, 250 mA, Adjustable Power Control for MVP
31-1068-000	**Cable, MVP Interface**	Connects MVP Laser to Power Supply with BNC for Control Input
1057734	**Plug, 3.5 mm Stereo**	Phono Plug to take Laser Diode Module with leads and add a Power Supply Plug

500 kHz Modulation Bandwidth

To modulate the laser power disconnect the "third wire" power-control (incorporated in the laser cable and jack, and power supply socket) and apply the desired AC/DC modulation in its place. This is simply done by inserting the special Modulation Interface Cable 31-1068 between the cable jack and power supply socket and applying the modulation to the BNC socket attached to the cable. The control should be TTL, or 5V for full laser power, or varied over the range 1.8 to 3.2V for analog linear modulation. Bandwidth is ~500 kHz. Full details are supplied with the LabLasers which incorporate the Variable Power and Modulation Control circuitry.



COHERENT • www.Coherent.com • tech.sales@coherent.com

Key Features

- ***Well-regulated 5VDC output***
- ***Autoranging 90-260 VAC IEC input***
- ***Output cable with easy connect/disconnect jack***

Toll Free: (800) 527-3786 • Tel: (408) 764-4983

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