



Model Number: 9000-OPT

Description: Newport Laser Diode Burn-In System, 96-Channel Butterfly

Notebook/PC not included (can be added)

Rack System:

- * 43U Rack
- * (3) Newport Model 9016 with Firmware v2.24C and (16) 8520D Dual LDD Modules
- * (48) 850D Dual Laser Modules, each control 2 lasers for total of 96 lasers
- * (6) 16-Channel Laser Diode 14-pin butterfly Laser Fixtures, total 96 lasers
- * (1) Newport Model 9008 with Firmware v2.25D and (6) 8375 TEC Modules
- * (6) Modular Drawers

Dimensions (L x W x H): 31.5" x 23.5" x 85"

Input Voltage: 110V

Newport's Laser Diode Burn-In Rack System houses 96 channels in one 48U rack. The rack contains control and measurement electronics, test fixtures and uninterruptible power supply (UPS.)

The (16) Dual Output 8520D Laser Diode Driver (LDD) modules in the (3) Newport 9016 Modular Controllers provide 96-Channels @ 2,000 mA of current and a compliance voltage of up to 3.5V.

Both Constant Power (APC) and Constant Current (ACC) modes are available. Constant power mode operation utilizes a large area silicon photodiode, which is part of the test fixture.

Forward current, forward voltage and optical power are all measured at a resolution of 16-bits.

The (6) 8375 TEC modules in the Newport 9008 Modular Controllers provide up to 2A of current and a compliance voltage of up to 4V. The temperature of each laser diode is measured and recorded for increased temperature accuracy.

Newport's Modular Drawer Interface makes interchanging devices fast and effortless. These Modular Drawer laser diode fixtures can be designed to work with any package needed by the user.

Newport can be contacted regarding purchasing new drawers to interface to this system, or a custom fixture can be designed by the end-user interfacing to the standard D-sub connectors.

