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Process Instruments, Inc. introduces a frequency-stabilized, narrow linewidth, diode laser, operating at 632.8 nm and offering excellent beam characteristics. The laser was developed as a higher power replacement for He-Ne lasers for spectroscopy applications. The laser can be used free space or coupled into multi-mode optical fibers.

Operating Specifications:

Linewidth: ~ 1 Ghz (~ 0.05 nm)

Wavelength: 632.8 nm +/- 0.1 nm

Beam: Vertically polarized and well collimated

Power Output Characteristics:

Free Space coupling ~ 110 mW

Power into 100 micron fiber ~ 95 mW

Packaging:

Dimensions: 9.25" x 2.5" x 4.25"

Weight: 4.4 lbs

Power Requirements:

12 volts DC @ 1.2 A

Delivery Times: ~ 5 weeks