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TECHNOLOGY GROUP

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
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Custom engineering
so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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The Wayback Machine - https://web.archive.org/web/19991109123414/http://www.eosi.com:80/spec.html

EOSI

Environmental Optical Sensors, Inc.

BACK TO THE FIRST PAGE

[Welcome to EOSI][Technical Support][Tunable Laser Diode][Accessories][LabView]
[Applications][EOSI Capabilities][Specifications][Ordering]Diode Laser Modules

Specifications Page

We offer two different models of external cavity semiconductor lasers

The ECU-2010-0XM X= 1, 5 a micrometer tuned laser with a pzt drive and

the ECU-2010-0XA a stepper motor driven external cavity laser.

Maximum Scanning Speed on ECU-2010-0XA is now 25nm/sec

Specifications

Linewidth	<4MHz @5 sec < 1MHz @50ms
Fine Tuning Range Piezo	100GHz @ 650nm 70Ghz @850nm 50Ghz @1310nm 30Ghz @1550nm
Stepper Motor Scan Repeatability	+-.002nm@wavelength <800nm scan to scan +- .04nm@wavelength < 800nm
Display Resolution	.1nm
Micrometer Resolution	.001nm
Piezo Resolution	MHz
Amplitude Stability	+- 1 percent at single wavlength
Beam Shape	Elliptical
Beam Divergence	< 1mrad
Maximum Wavelength modulation rate with Piezo	100Hz over full range of Pzt 1khz over 10Mhz dither

Maximum amplitude modulation rate	1Mhz (1GHz with bias T)
Laser Cavity Dimensions	200mm x 110mm x 140mm
Replaceable diode module Dimensions	40mm x 42mm x 45mm
Control Box Dimensions	165mm x 123mm x 285mm
Current Driver Output	0-350mA with 10ma/volt input
Pzt Output	0-140 Volts with +- 7 volts input
Temperature controller output for module	21-25 C
Cavity Temperature controller	30|C
Beam Height	110mm
Stepper Motor Scanning Speed	.01nm/sec - 25nm/sec

INTERCHANGEABLE GRATINGS

Grating Model Number	Wavelength Range	x number
GRAT-2010-2200	547 -726nm	x = 1
GRAT-2010-1800	669 - 888nm	x = 2
GRAT-2010-1350	892 - 1183nm	x = 3
GRAT-2010-950	1267 - 1682nm	x = 4
GRAT- 2010-750	1605 - 2130nm	x = 5

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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