

## “NEOARK” Diode Laser

### External Cavity Type Diode Laser Unit

Model **GLD-2400VV/VR/IR** is equipped with Grating Unit as the external cavity, to several kinds of diode lasers.

Anamorphic prism or gas cell for absorption can be mounted inside cavity. Therefore such lasers can be used as light source for gas analysis or for interferometer.

ACC (Automatic Constant Current) drive and high voltage unit for PZT (for wavelength scanning) are mounted on Power Supply.

VV type: 405nm wavelength

VR type: 635nm~690nm wavelength

IR type: 780nm~840nm wavelength



Laser Head <b>GLD-2400VV/VR/IR</b>		Power Supply <b>DPSV-6002</b>	
Grating	2400 pieces/mm	Type	Variable constant current
Blaze type	Holographic	Current variation range	0~200mW
Grating arrangement	Littow type	Controlled current accuracy	Less than 100 $\mu$ A
Grating coarse angle	Vernier dial	External current variation	0~1V 0~200mA variable
Grating fine angle	By PZT	PZT power supply	0~100V continuous variation
Grating angle range	A few nm accuracy	Voltage stabilization	0.01% P-P
Applicable LD	Several kinds	External signal variation range	$\pm$ 50%
Cavity construction	Invar rod fixed	Input voltage/current	AC100V / 30VA

\* Performance or function of LD is out of guarantee.

\* Performance depends on support system or on controller.



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