



Electra Portable Violet Laser Module



Overview:

The shortest wavelength available in a laser pointer, the Electra produces laser light very close to the ultraviolet part of the visible spectrum at 405 nm. The unique properties of this laser include the ability to excite fluorescent and phosphorescent materials. The Electra can be a useful educational tool in the classroom as well as a reliable near-UV portable light source for field work.

Key Features:

- *Starting at:* **\$199**
- *Output Power:*
- *Expected Life:* 5000 hours
- *Wavelength:* 405 nm (violet)
- *Key Feature:* Violet beam causes fluorescence effect in various materials
- *Package Includes:* Portable laser, aluminum carrying case, instructions/warranty.
- *Casing:* High-gloss black painted brass housing
- *Safety Info:* Under 5 mW complies with Class IIIa regulations
- *Duty Cycle:* 100%

Specifications:

This spec sheet has been generated specifically for part number GEP-GAP, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to GEP-GAP have been highlighted below in **red + bold**.

Laser Form Factor	GAP
Output Power (mW)	<2
FDA Safety Class	IIIa
Divergence (mrad, full angle)	<0.5
Beam Dimensions (mm, 1/e ²)	3.5
Longitudinal Modes	Multiple
Storage Temperature Range (°C)	-10 to 50
Total Power Consumption (W)	3
Max. Power Input Duty Cycle	100%
Cooling Method	Passive Air
Standard Warranty (months)	6
MTTF (operational hours)	5000
Weight of Laser Head (kg)	0.1
Laser Head Dimensions (mm)	150 (l) x 16.5 (d)
Power Supply	2 x CR2 Batteries

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.

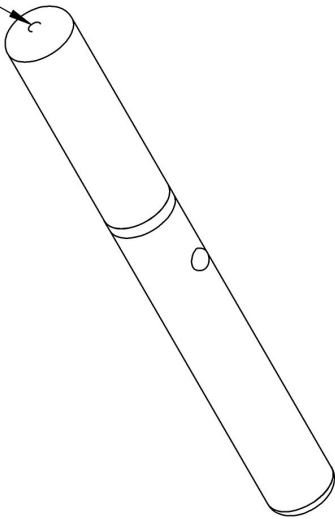
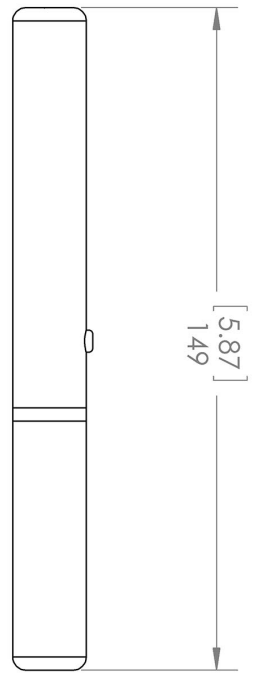
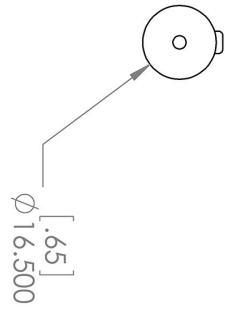
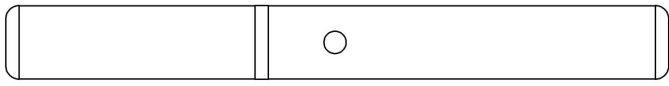
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

Regulatory Classification:

The model you have selected (GEP-GAP) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: GAP:



Aperture

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM(INCH)
TOLERANCES: +/- 0.75 MM

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Laserglow Technologies





TITLE:
**Aquarius /
Rigel HV /
Electra / Hydra**
REV
1

SCALE: 2:3

SHEET 1 OF 1

Accessories:

The most popular accessories for model GEP-GAP are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 AGF5322XX	LSG-532-NF-2 Fit-Over Safety Goggles 532nm Output: OD 2+ at 400-532 nm CE Certified Full Details: www.laserglow.com/AGF	
 AGS5322XX	LSG-532-NS-2 Sport Laser Safety Goggles 532nm Output: OD 2+ at 400-532 nm CE Certified Full Details: www.laserglow.com/AGS	
 AGF5327XX	LSG-532-NF-7 Fit-Over Safety Goggles 532nm Output: OD 7+ at 190-532 nm CE Certified Full Details: www.laserglow.com/AGF	
 ACAGAQ1XX	Carrying Case-7 Aquarius/Electra/Rigel HV/Hydra Full Details: www.laserglow.com/ACA	Included With Laser

FOR MORE INFORMATION PLEASE CONTACT:

LASERGLOW TECHNOLOGIES
873 St. Clair Ave West, Toronto, ON, Canada M6C1C4
Tel. (416) 729-7976 Fax (480) 247-4864
sales@laserglow.com www.laserglow.com

E&OE: Data included in this sheet may be subject to change without notice.

Please confirm critical specifications with our staff prior to ordering.