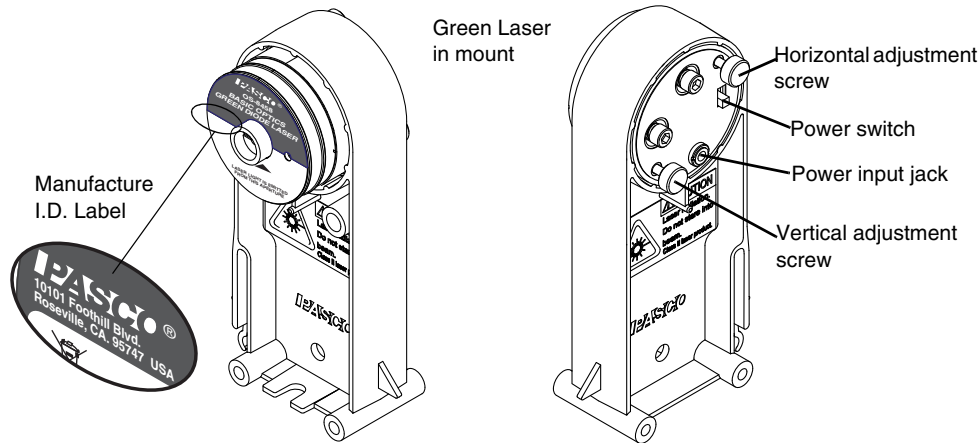


Basic Optics Diode Laser

OS-8458B (green)



Included Equipment

Green Laser in Mount
AC Adapter, 9 VDC output

Part Number

OS-8458B
see Technical Support

Introduction

PASCO model OS-8458B is a diode laser designed for use with PASCO Basic Optics systems. The laser is permanently mounted in a holder that can be snapped into a Basic Optics bench or used freestanding on a tabletop. (It can also be used with any PASCO track if it is connected to the OS-8472 Dynamics Optics Carriage - not included.) The holder includes vertical and horizontal adjustment screws for fine-tuning the angle of the laser beam. An included AC adapter provides power.

Compatible Equipment

The laser can be used with PASCO Basic Optics equipment and is included in various systems offered by PASCO. See the PASCO catalog or the on-line store at www.pasco.com for a complete description of all Basic Optics equipment.

⇒ **CAUTION** - use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- LASER LIGHT - DO NOT STARE INTO BEAM.
- CLASS 2 LASER PRODUCT
- This Laser Product is designated as Class 2 during all procedures of operation.
- Do not point the laser or allow the laser to be directed or reflected toward people or animals.

Warning label located on Product:



Set-up

1. Attach the laser to a Basic Optics bench by aligning the base of the holder with the central channel of the bench and pushing down to snap it in place.
2. Squeeze the base of the holder and slide the laser along the bench to the desired location.
3. Connect the AC adapter to a wall outlet and the power input jack.
4. Slide the power switch on the back of the laser to turn the beam on or off.
5. Turn the vertical and horizontal adjustment screws to aim the beam.

Notes

- These lasers are designed for use in room temperature environments (10° C to 35° C).
- For optical power stability, allow the laser to warm up for 5 to 10 minutes.
- These lasers are designed for use in student labs and classroom demonstrations.
- To maximize laser life, turn off the laser when it is unattended or not in use.

Specifications

Classification	Class II Laser
Wavelength	515 nm (green)
Maximum Output	<1 mW
Divergence	<2 mrd
Beam Diameter at aperture	3 mm

Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific
10101 Foothills Blvd.
Roseville, CA 95747-7100

Phone: 916-462-8384 (worldwide)
800-772-8700 (U.S.)

Web: www.pasco.com

Email: support@pasco.com

Limited Warranty

For a description of the product warranty, see the PASCO catalog.

⇒ **NOTE: NO service or maintenance is allowed, on this product, by the customer. Return unit to the factory for service or repair. Unit is NOT to be opened or modified by the Customer.**

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Product End of Life Disposal Instructions:

This electronic product is subject to disposal and recycling regulations that vary by country and region. It is your responsibility to recycle your electronic equipment per your local environmental laws and regulations to ensure that it will be recycled in a manner that protects human health and the environment. To find out where you can drop off your waste equipment for recycling, please contact your local waste recycle/disposal service, or the place where you purchased the products



The European Union WEEE (Waste Electronic and Electrical Equipment) symbol (to the right) and on the product or its packaging indicates that this product must not be disposed of in a standard waste container.