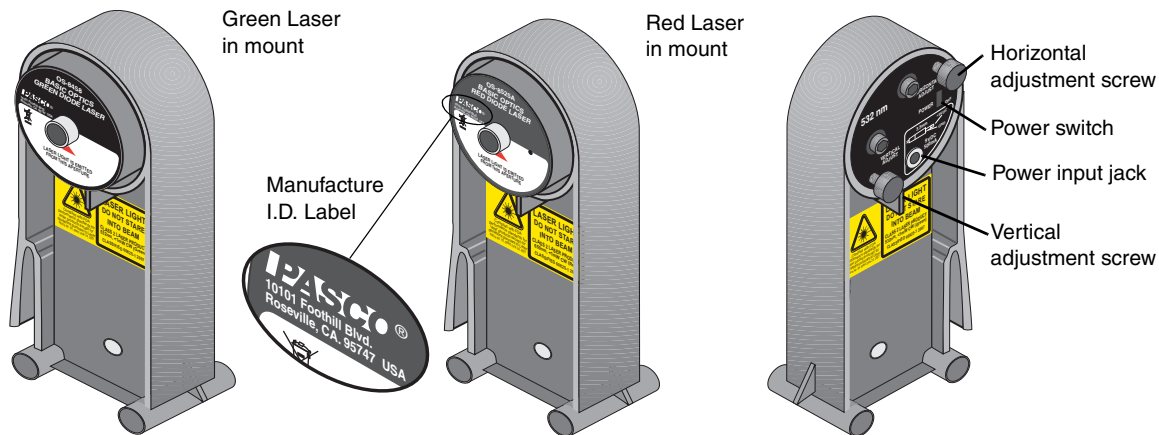


Basic Optics Diode Laser

OS-8458 (green)

OS-8525A (red)



Included Equipment	Part Number
Green Laser in Mount <i>or</i> Red Laser in Mount	OS-8458 OS-8525A
AC Adapter, 9 VDC output (not shown)	540-007 (120 VAC) <i>or</i> 540-027 and 516-006 (230 VAC)

Introduction

PASCO models OS-8458 and OS-8525A are diode lasers designed for use with PASCO Basic Optics systems. Each laser is permanently mounted in a holder that can be snapped into a Basic Optics bench or used freestanding on a tabletop. 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 including the Basic Optics System (OS-8515C), 120 cm Basic Optics Bench (OS-8508), Diffraction Optics Kit (OS-8531), and more. 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	532 nm (green) 650 nm (red)
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: 916-786-3800 (worldwide)
800-772-8700 (U.S.)

Fax: (916) 786-7565

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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