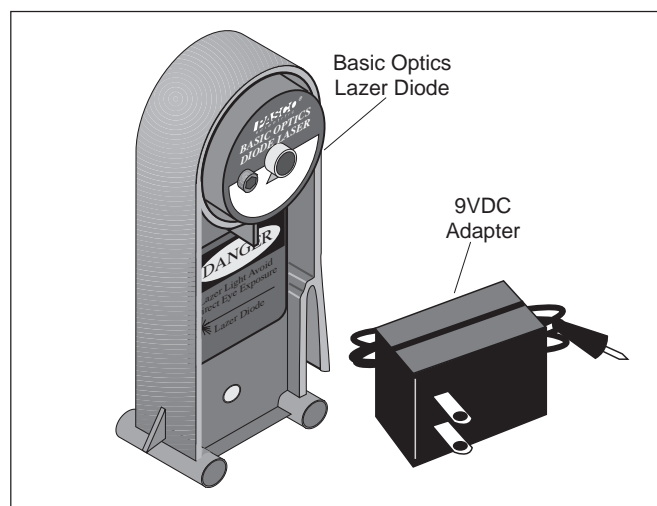*Instruction Sheet*
for the PASCO
Model OS-8525

# Basic Optics Diode Laser

Introduction

Equipment

The PASCO Model OS-8525 Basic Optics Diode Laser includes a laser diode and mount, and a 9 VDC AC adapter. The Basic Optics Diode Laser was designed as an accessory to the Model OS-8515 Basic Optics System. The laser is permanently mounted in a freestanding holder which allows it to be used with other optics systems.

Specifications

Class: IIIa Laser

Wavelength: 660-680 nm

Max. Output: < 5mW

Spot Size: Less than 20 mm at 10 m

Setup Procedure

① Attach the Basic Optics Diode Laser to the OS-8515 Optics Bench by gently squeezing the base and inserting it into the bench. The base will snap into place.
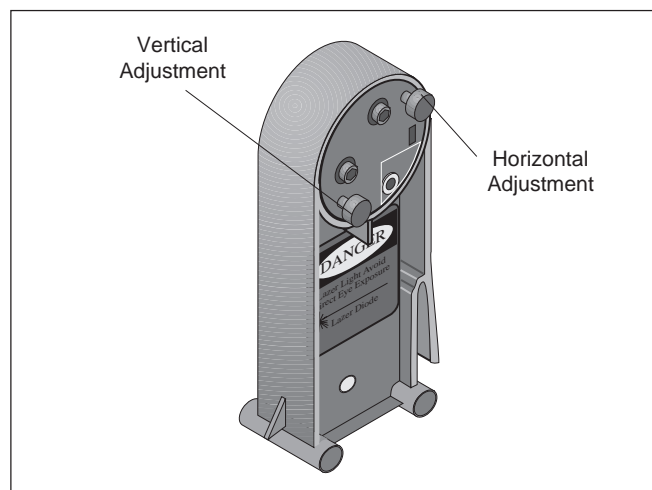
Beam Adjustments

② Plug the AC Adapter phone plug connector into receptacle on the back of the Laser.

③ Turn the Laser Diode power on.

④ If necessary, the beam location can be adjusted by turning the Horizontal and Vertical Adjust screws on the back of the Laser.

Aligning laser using the OS-8517 Light Source and OS-8515 Optics Bench.

① Mount the Light Source and the Laser at opposite ends of the Optics Bench.

② Turn the Light Source so the crosshair image is facing the Laser.

③ Turn the Laser on and turn the Horizontal and Vertical Adjust screws until the Laser spot is centered on the crosshair image.

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Feed-Back

If you have any comments about this product or this manual please let us know. If you have any suggestions on alternate experiments or find a problem in the manual please tell us. PASCO appreciates any customer feed-back. Your input helps us evaluate and improve our product.

To Reach PASCO

For Technical Support call us at 1-800-772-8700 (toll-free within the U.S.) or (916) 786-3800.

Internet: techsupp@PASCO.com

Tech Support Fax: (916)786-3292

Contacting Technical Support

Before you call the PASCO Technical Support staff it would be helpful to prepare the following information:

• If your problem is computer/software related, note:

  Title and Revision Date of software.

  Type of Computer (Make, Model, Speed).

  Type of external Cables/Peripherals.

• If your problem is with the PASCO apparatus, note:

  Title and Model number (usually listed on the label).

  Approximate age of apparatus.

  A detailed description of the problem/sequence of events. (In case you can't call PASCO right away, you won't lose valuable data.)

  If possible, have the apparatus within reach when calling. This makes descriptions of individual parts much easier.

• If your problem relates to the instruction manual, note:

  Part number and Revision (listed by month and year on the front cover).

  Have the manual at hand to discuss your questions

Limited Warranty

PASCO scientific warrants this product to be free from defects in materials and workmanship for a period of one year from the date of shipment to the customer. PASCO will repair or replace, at its option, any part of the product which is deemed to be defective in material or workmanship. This warranty does not cover damage to the product caused by abuse or improper use. Determination of whether a product failure is the result of a manufacturing defect or improper use by the customer shall be made solely by PASCO scientific. Responsibility for the return of equipment for warranty repair belongs to the customer. Equipment must be properly packed to prevent damage and shipped postage or freight prepaid. (Damage caused by improper packing of the equipment for return shipment will not be covered by the warranty.) Shipping costs for returning the equipment, after repair, will be paid by PASCO scientific.

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