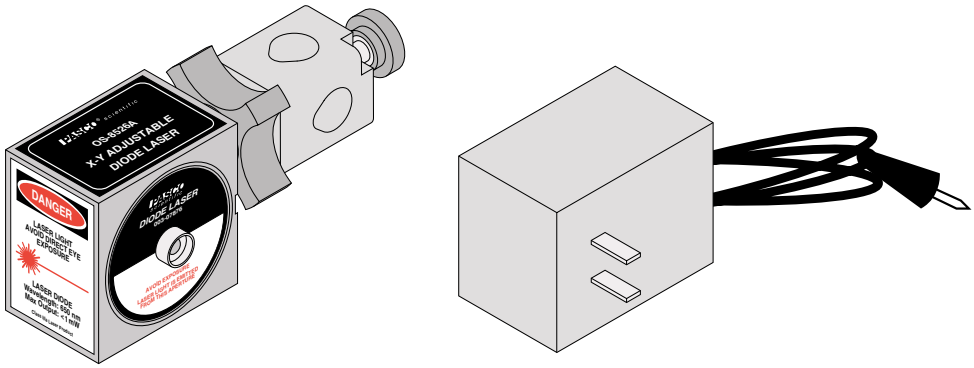
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Instruction Sheet for the PASCO Model OS-8526A

X-Y ADJUSTABLE DIODE LASER

Introduction

The X-Y Adjustable Diode Laser allows users to easily incorporate laser light into a wide variety of laboratory experiments. Designed to be mounted on a rod stand, the X-Y Adjustable Diode Laser can rotate 360° allowing the user to set up the unit in virtually any position.



Equipment

– X-Y Adjustable Diode Laser.

– 9VDC adapter

Additional equipment recommended:

– PASCO ME-8735 Large Rod Stand

– PASCO ME-8738 (90 cm) or ME-8741 (120cm) support rod

Replacement parts:

Description	PASCO part no.
thumbscrew assembly	617-016

➤ **CAUTION:** This is a relatively safe, low power laser. Nevertheless, we strongly recommend the following precautions:

- Never look directly into the laser beam, either directly, or as it is reflected from a mirror.
- Set up experiments so the laser beam is NOT at eye level (for spectators who may be either sitting or standing).

Assembly

① Attach the "fixed" rod clamp, with the locking knob permanently affixed, to a base rod up to 1/2" (12.5 mm) in diameter. See Figure 1.

② Secure the rod clamp in place with the thumbscrew.

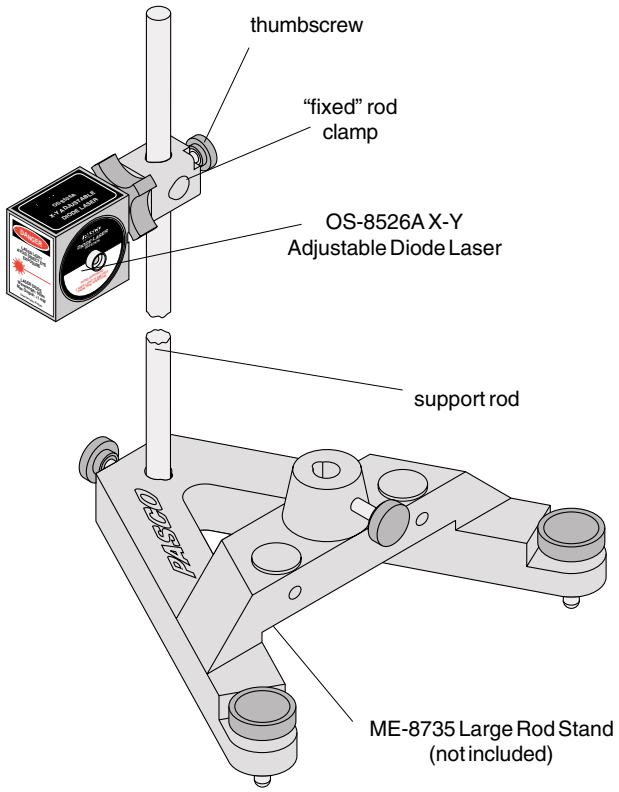


Figure 1: Setting Up the OS-8526A X-Y Adjustable Diode Laser

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better ways to teach science

③ Loosen the locking knob and rotate the laser diode assembly into the desired position. See Figure 2.

④ Tighten the locking knob against the laser diode housing until secure.

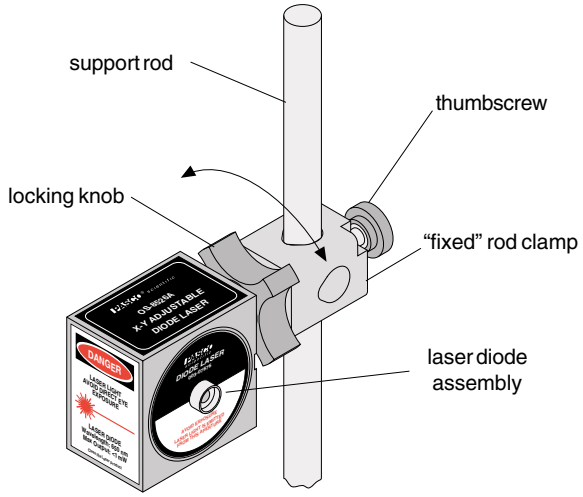


Figure 2: X-Y Adjustable Diode Laser Alignment

⑤ Plug the 9VDC adapter phone plug into the back of the laser and turn on the laser.

⑥ If necessary, adjust the direction of the laser beam from left-to-right and up-and down until the beam is in desired position. See Figure 3.

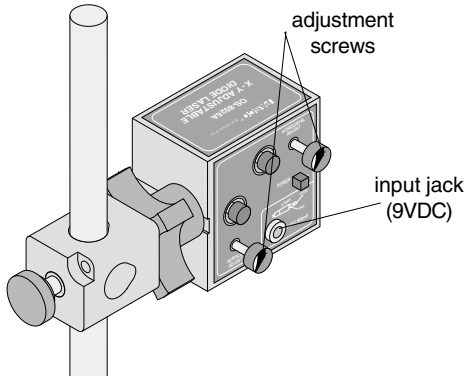


Figure 3: Laser Beam Fine Adjustment

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.

Equipment Return

Should this product have to be returned to PASCO scientific, for whatever reason, notify PASCO scientific by letter or phone BEFORE returning the product. Upon notification, the return authorization and shipping instructions will be promptly issued.

NOTE:
NO EQUIPMENT WILL BE ACCEPTED FOR RETURN WITHOUT AN AUTHORIZATION.

When returning equipment for repair, the units must be packed properly. Carriers will not accept responsibility for damage caused by improper packing. To be certain the unit will not be damaged in shipment, observe the following rules:

① The carton must be strong enough for the item shipped.

② Make certain there is at least two inches of packing material between any point on the apparatus and the inside walls of the carton.

③ Make certain that the packing material cannot shift in the box, or become compressed, thus letting the instrument come in contact with the edge of the box.