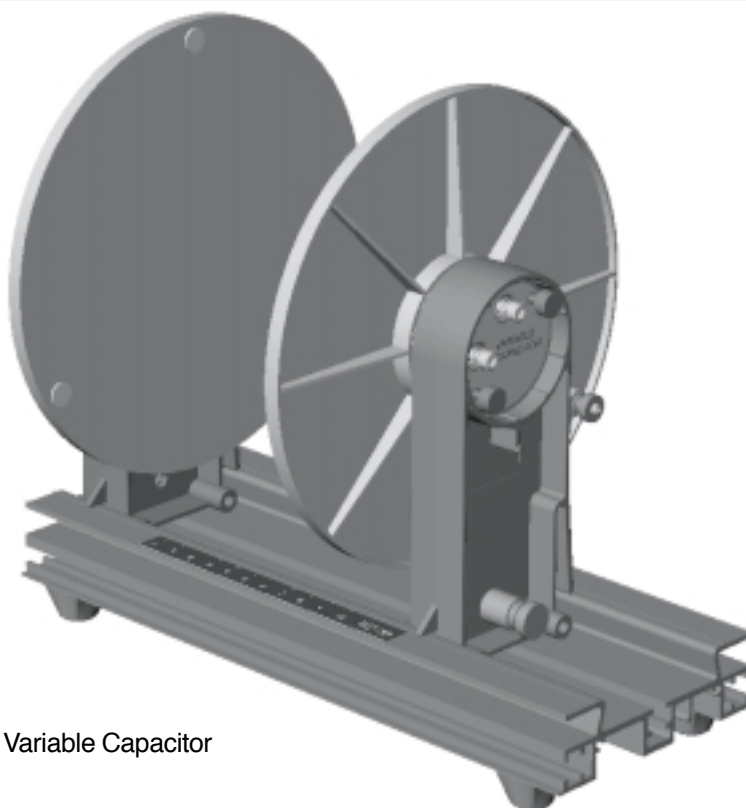


**Instruction Sheet
for the PASCO
Model ES-9079**

BASIC VARIABLE CAPACITOR



Basic Variable Capacitor

Introduction

The PASCO experimental Variable Capacitor, ES-9079, consists of two plastic plates 18 cm in diameter which can be adjusted to various separations. The movable plate is mounted on a calibrated slide which gives the plate separation directly in centimeters. Binding posts are provided for electrical connection to each plate. Three plastic spacers are attached to the fixed plate so that when the movable plate is made to touch these spacers, the plate separation is 1 mm.

The plates need to be connected to the electrometer by a low-capacitance cable. Keep the leads of the cables as separated as much as possible to minimize capacitance.

It is extremely important that the plates of the capacitor remain parallel. It is possible that through mishandling they will cease to be parallel and adjustment must be made. On the back side of the moving plate are vertical & horizontal adjusting screws. By adjusting these two

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screws, the two plates may be made parallel.

Keep the black plate supports clean to prevent leakage of the charge from the plates.

Equipment

INCLUDED

- Basic Variable Capacitor (ES-9079)
- BNC cable

ADDITIONAL REQUIRED

- Basic Electrometer (ES-9078)

Limited Warranty

PASCO scientific warrants the 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. The 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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