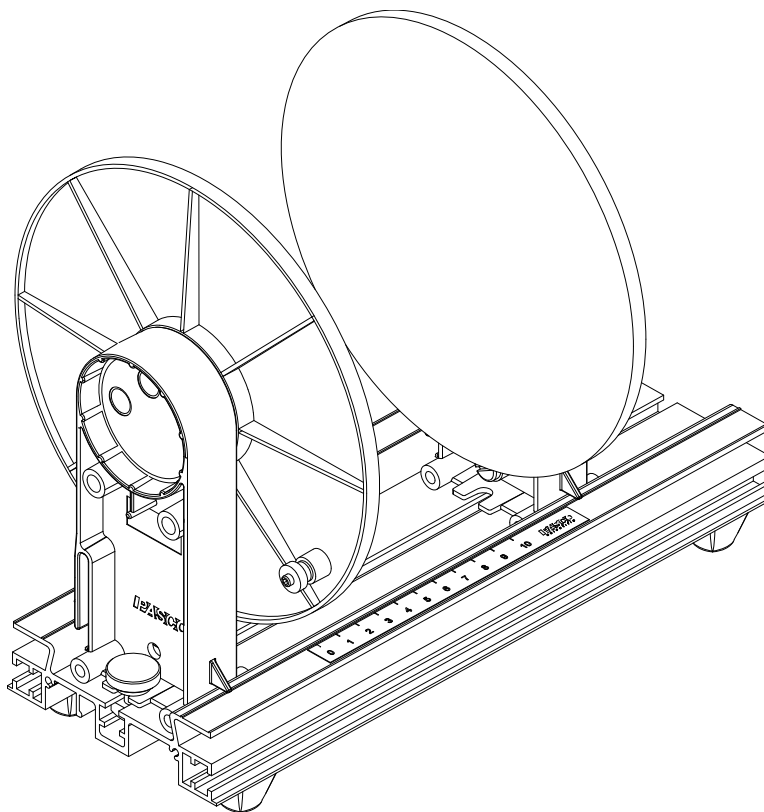


Basic Variable Capacitor

ES-9079



Introduction

The Basic Variable Capacitor 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 an electrometer by a low-capacitance cable. Keep the leads of the cables as separated as much as possible to minimize capacitance.

It is 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 reverse side of the moving plate are vertical and horizontal adjusting screws. By adjusting these two screws, the two plates may be made parallel.

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

What's included

- 2× Capacitor plate
- Bench
- BNC cable

Experiment files

Download one of several student-ready activities from the PASCO Experiment Library. Experiments include editable student handouts and teacher notes. Visit [pasco.com/freelabs/ES-9079](https://www.pasco.com/freelabs/ES-9079).


Specifications and accessories

Visit the product page at [pasco.com/product/ES-9079](https://www.pasco.com/product/ES-9079) to view the specifications and explore accessories. You can also download experiment files and support documents from the product page.

Technical Support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

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Limited warranty

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