NaRiKa

Cat. No. C15-6061

VACUUM EXPERIMENT TOOL INSTRUCTION MANUAL

【Precautions】

- Do not bring the product close to fire or moisten it.
- Do not store it in hot and humid conditions.
- Do not drop the product or allow intense shocks. Otherwise, it will break.
- Be careful of the propellers when turning the switch on or off.
- A simple vacuum container barely accommodates this tool. Handle with great care.

☆ INTRODUCTION

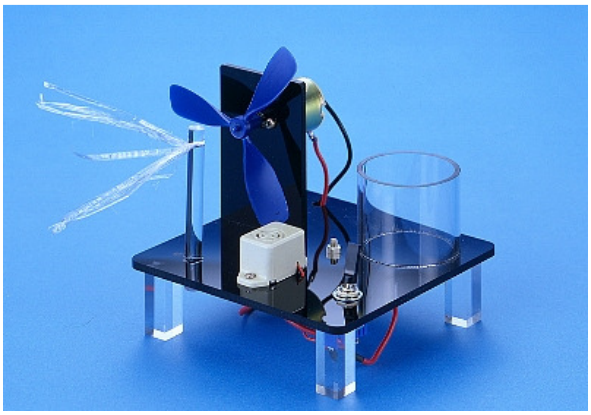
Thank you for purchasing the Vacuum Experiment Tool. This tool was developed to test the sound and wind conditions in a vacuum simultaneously with a single experiment tool. Enjoy the mysterious world of vacuums in experiments.

【Specifications】

Size: 100×100×108mm

Weight: Approx. 140 g

Power source: Size AA battery, one



【Usage】

● **Preparation**

Make the following preparation before using the product for experiments:

(1) Set the battery.

Set one size AA battery.

The battery box is behind the tool.

(2) Attach the insulation gel sheets.

Attach the insulation gel sheets to the bottom of the four feet.

Peel the film from the gel sheets before attaching them.

* When the insulation gel sheets become dirty, adhesion is reduced. Wash slightly to restore the adhesive force. Replace damaged gel sheets.

(3) Make a streamer.

This product is supplied with a vinyl sheet only. Rip by hand to make the streamer, which is blown by the wind from the propellers.

● **Experiment**

Make sure that the preparation has been made and execute the experiments.

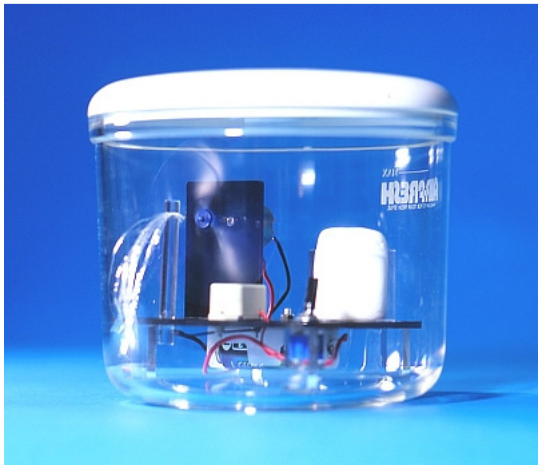
(1) Put the vacuum experiment tool in an evacuation board or simple vacuum container.

(2) Turn on the switch.

(3) Discharge air from inside with a vacuum pump and check the condition.

(4) If the condition cannot be checked properly during vacuuming, fill the container with air slowly to restore the atmospheric pressure. Check the condition of the vacuum experiment tool at this time.

【Experiment examples】



In vacuum

☆ **How to use free space for vacuum experiments**

This product consists of a buzzer for audible checks and a propeller motor for checking the air flow. It also has free space for interesting vacuum experiments.

[How to use free space]

- Insert a marshmallow.
  The marshmallow increases in size in a vacuum.
- Wrap the container.
  Close the container opening with the lap tight and fasten with a rubber band.
  The lap is inflated in vacuum.
- Insert a small balloon.

☆ **Precautions for using simple vacuum container**

Observe the following instructions when using the vacuum experiment tool with the simple vacuum container C15－6053:

- The vacuum obtained by the simple vacuum container is very low and has insufficient effects in experiments of sound, airflow, etc. Understand this and check the changes in atmospheric pressure and the vacuum in the simple vacuum container.
- The size of the vacuum experiment tool will barely fit in the simple vacuum container. Be careful of the propeller when turning on/off the switch.

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