

P70-3946-W3

Propeller Motor for Daniell Cell

Pacco-510



[Product Description]

In-line type product equipped with a motor operable with low current (70mA or less) generated by electrochemical cells, such as Daniell cell or Voltaic cell, mounted on a transparent plastic body.

[Overall Advantages to Users]

- ✓ Connectable (different word, like easy to connect, etc.) to electric parts/components in a circuit in two ways thanks to its body structure which is equipped with mechanisms shown below that significantly increase students' efficiency in completing circuits successfully.
- ✓ Built-in leads with clips (red & black): the product can be easily connected to terminals of other equipment like an electrochemical cell.
- ✓ Built-in terminals on both sides of the body: leads with clips (red & black) of other electric parts/components can be easily connected to the product.

[Caution]

Do not connect the product to a battery commonly available in the market such as a zinc-carbon battery or an alkaline battery. Otherwise, the motor of the product would become not sensitive enough to turn at the low current generated by Daniell cell and Voltaic cell.

[Specifications]

- Input voltage range: DC 1.5 ~ 12 V
- Maximum input current: 70 mA
- Built-in lead wires with clips: 20 cm (black and red)
- Size: 80 x 70 x 95 mm without the propeller
- Material: Polycarbonate

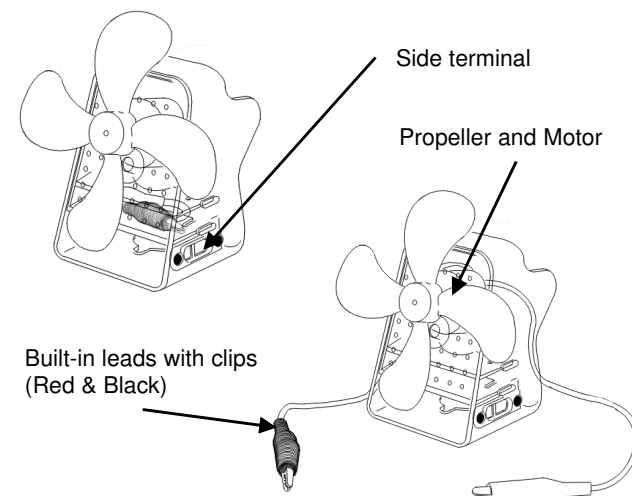
[Benefit]

[To teachers]

- ✓ Shorter time required for preparation and experiment compared with a propeller and motor alone because the product does not move while in use.
- ✓ Propeller motor helps students easily understand how chemical energy originally generated by an electrochemical cell is converted into electric energy, kinetic energy and finally into wind energy.

[To students]

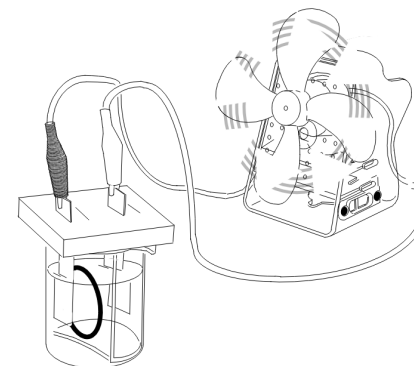
- ✓ All-in-one unit for experiments on kinetic energy in combination with an electrochemical cell.
- ✓ Designed to increase efficiency in completing circuits for a student by intuitively and correctly selecting one of the two optional mechanisms.



[In combination with Daniell cell]

Just connect a Daniell cell to the product using the built-in leads with clips to turn the propeller.

A Daniell cell recommended by Narika:
B10-2013-W0 Daniell Cell Experiment Set (Separate "Nested-container-like" Cup Type) DT-B



B10-2013-W0: Daniell Cell Experiment Set

[Keywords]

Motor with a propeller, Simple electric circuit, Electrochemical cells