

Product Name :
Electrolysis Apparatus Student Type**Product Code :**
SCHOOLSMD1138**Description :**

Electrolysis Apparatus Student Type

Technical Specification :

This is used to demonstrate and describe the decomposition reactions at the electrodes during the electrolysis of water, producing 1:2 ratio of hydrogen & oxygen gases respectively, by passing DC current through water. Positive results occur:

- a) When an ember in a stick is introduced onto the test tube with hydrogen gas, it pops.

- b) If the gas is oxygen, the ember must glow more

Shape of Jar : Cylindrical container with a flat bottom, with a wide mouth and a small turned-out lip for pouring

Material of jar: Clear, transparent, and bubble free borosilicate glass with the following dimensions:

a) **Diameter** :4.5 inches (114-115 mm) (min)

b) **Height** : 5.0 inches (127-128 mm) (min)

Capacity: 1000 mL

Comes with two (2) electrodes

Material of two electrodes: Platinum

Comes with an acid-proof insulating support to hold the two binding posts (one red, one black)

Holder of two test tubes : Two (2) spring clips

With two (2) test tubes

a) rimless

b) graduated from its bottom to top. Zero starts at bottom

c) **Material of test tubes** : Borosilicate, clear, transparent and bubble-free glass with the following dimensions:

d) **Diameter**: 18 mm diameter

e) **Length**: 150 mm long

f) **Capacity** : 25 mL

g) With heavy uniform wall thickness, excellent heat resistance, round bottom glass

h) With permanent graduation of approx. volume and inscriptions in high contrast white enamel.

Comes with power source: 220 V -240 V AC input/ (0-12 V) DC output, and with switch selector

Comes with 9 V battery with one (1) battery snap

Comes with two (2) connecting wires (1 red, 1 black)

a) **Length:** 12 in.

b) **Type of wire :** Stranded

c) **Gauge no:** 20

Tender product as per DEPED Guidelines.



Equipments Exporters

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