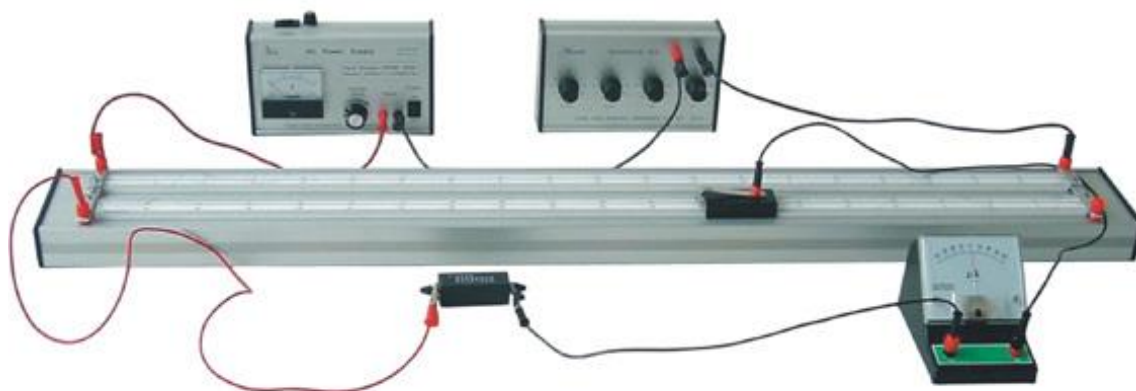


Electric Potential Experiment



Describe:

Understanding the structure and theory of slide wire potentiometer tests electromotive force and terminal voltage and calculate resistance in a battery.

Including 1. Decimal resistance box 2. 2M long slide wire potentiometer 3. Standard battery $\times 1$. 4. Battery under test holder $\times 1$. 5. Galvanometer $\pm 50\mu\text{A}$ with tilt table.

Specific list:

(一) Decimal resistance box

Stainless, antiskid and insulation aluminized machine, fixed by ABS plastic on end of two sides finishing, enclosed circuit, reserve easily.

Size: 100x120x65mm

1. The range of resistance value: $0 \sim 11110\Omega$
2. Minimal carry value: 1 ohm.
3. Four types of knobs:

(二) 2M long slide wire potentiometer

Stainless, antiskid and insulation aluminized machine, fixed by ABS plastic on end of two sides finishing, enclosed circuit, easy for storage, installed 2M nickel wire $\times 1$.

(三). Standard battery: 2°C 1.01855V~1.01868V

(四). Under test battery holder $\times 1$.

(五). galvanometer

1. Range of measurement: $\pm 50\mu\text{A}$
2. Accuracy: $\pm 2.5\%$ f.s
3. Size: 105x90x100mm
4. Surface: 88x65mm
5. tilt table

(六). Low voltage DC power supplier (1-12V/1A)