

INDUCTION WITH PENDULUM

REEE19-V

Description

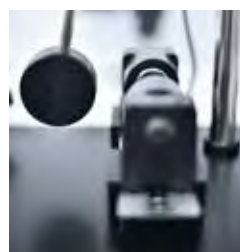
The relative motion of coil to the magnet creates an induced current on induction coil. The amount of the current produced is function of the magnetic field and the oscillation of the pendulum.



Magnet track with metric scale



Manual gap adjustment of magnets



ME-0027-00 Induction Coil With Pendulum Rod
 • 1600 Turns
 • 80 g



Voltage and angular velocity values are observed on LabQuest® 2 screen.

Order Information

Item Code	Item Name
ME-0026-00.....	Experiment Main Unit (with Support Rod, Angle Scale Vernier Rotary Motion Sensor and Voltage Probe).....
ST-0180-00.....	Track.....
ST-0180-01.....	Magnet Set (2 Pcs).....
ME-0027-00.....	Pendulum Rod with Induction Coil.....
RMV-BTD.....	Vernier Rotary Motion Sensor (assembled to unit).....
VP-BTA.....	Vernier Voltage Probe (assembled to unit).....
LABQ2.....	LabQuest® 2 (required, not included).....

PHOTOELECTRIC EFFECT

REMA01

Description

A classic experiment that explores Hertz's and Einstein's Photoelectric Effect by experimentally determining the value of Planck's Constant and finding the work function of a given metal (cathode) surface.

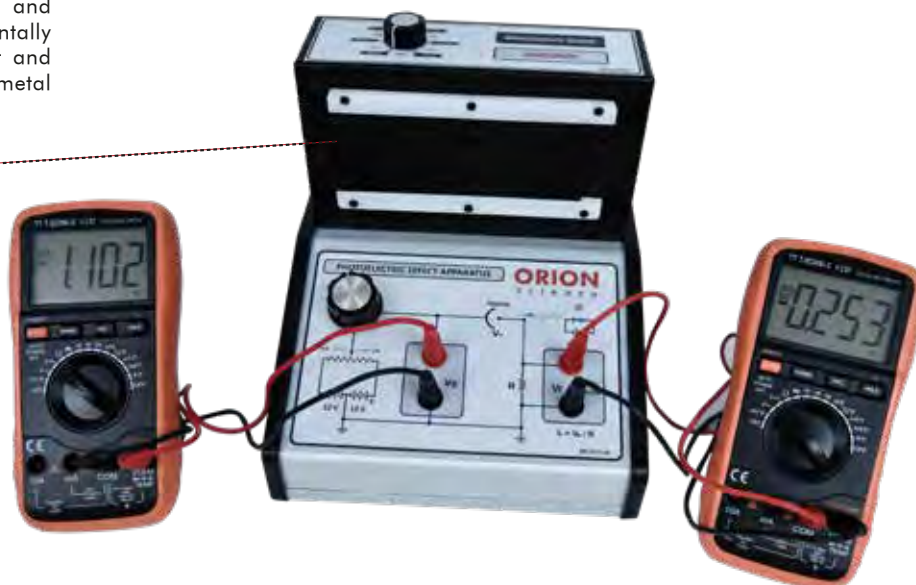


EE-0128-00 Light Source Box

6 different LED light sources of wavelengths $\lambda = 385 \text{ nm}$, 470 nm , 470 nm , 502 nm , 575 nm and 605 nm , together with a vacuum Phototube



EE-0127-00 Photoelectric Effect Apparatus
 Variable voltage
 output: $-15 \text{ V} - +15 \text{ V}$



Order Information

Item Code	Item Name
EE-0127-00.....	Photoelectric Effect Apparatus.....
EE-0128-00.....	Light Source Box with Photo Tube.....
EE-0120-05.....	Connection Cables (50 cm, 4 Pcs).....
EE-0033-00.....	Multimeter (2 Pcs) (required, not included).....