Cienytec — Ciencia y Tecnica — Tecnologías de la Educación

CURRENT BALANCE

REEE02

Description

With the current balance experiment, forces acting on a current carrying wire in a magnetic field are measured accurately over varying currents, wire length and coil angles.

Conductive wire is placed between the magnetic poles of a magnet. Magnetic force acting on the magnets can be changed by current intensity, wire length and current direction. The magnetic force changes weight of the magnets. The change is observed with digital balance

Included Accesories

EE-0013-00 Wire Board
Variable Length: 1-5 cm

EE-0014-00 Rotating Coil
Graduated between 0-180°
Accuracy: 5 °
10 turns

EE-0011-00 Magnet Set
2 Magnets
Gap : 5 mm , 22 mm
Magnetic Field: 0.4 T , 0.14 T

DC Current Source

EE-0006-00

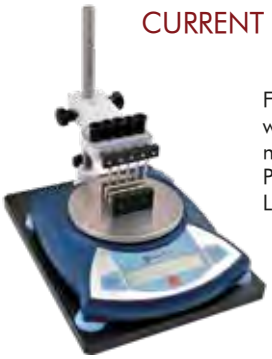
Digital Display — *Security Banana Sockets* — *Continiously Adjustable*

Order Information

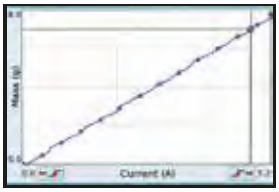
Item Code	Item Name
EE-0006-00	DC Current Source 220 V
EE-0006-01	Current Supply (Optional) (Chinese Model)
EE-0009-00	Digital Scale Base
ST-0017-00	Conductor Holder
EE-0011-00	Magnets (Large and Small Spaced)
EE-0013-00	Conductive Wire Set (Variable Length)
EE-0014-00	Rotating Coil
ST-0018-00	Screws
ST-0016-00	Support Rod
EE-0120-05	Connection Cables (50 cm, 2 Pcs)

CURRENT BALANCE-VERNIER VERSION

REEE02-V



Forces acting on a current carrying wire in a magnetic field are measured using the Vernier Current Probe, Ohaus Digital Balance and LabQuest® 2.



Current Vs Mass Graphic Plotted by LabQuest® 2

Required Units

LabQuest® 2
LABQ2

High Current Probe
HCS-BTA

Ohaus Digital Balance
OHSP-202

EE-0009-01 Base is used in this version instead of EE-0009-00 Base with digital scale