

Magnetic Moment Experiment



Describe:

By using magnetometer measure the horizontal intensity of the earth's magnetic and magnetic moment of bar magnet. This device is a set of vibrating magnetometer and declination magnetometer etc.

Specific list:

1. Vibrating magnetometer $\times 1$
 - a. Acrylic meter, 200x150x10 with adjustable level screw, magnetic hanger on the top, acrylic windscreen (diameter 120mm, high 90mm)
 - b. Size: 200x150x300mm
2. Declination magnetometer
 - a. Stainless and insulation aluminized machine, plastic on end of two sides finishing, size: 1100 \times 120 \times 45mm
 - a. Magnet slide groove: aluminized V shape, fixed on table, slide groove, 0~500 mm scale on two sides of groove.
 - b. Magnetic dial: it is made of plastic in one piece with diameter 120 mm high 22mm. There is a 0~360-degree scale dial. The minimum number is 1 degree. There is one mirror for reading scale accurately. One aluminized magnetic needle with 800mm length and is protected around by glass.
 - c. Magnetic bar $\times 1$ with alnico diameter 6mm, length 60mm.