

Current Balance Kit

Weight Set and Tweezers



PA1230-050 Set of Weights

Description:

When the Current Balance is deflected by the reaction between current flowing in the Air Cored Solenoid and current flowing in the Beam of the Current Balance, the beam will be deflected.

To measure the force of the deflection, weights must be added to the beam to restore the level condition. The force created by the weights is the same force exerted on the conductor inside the Air Cored Solenoid.

We know this because the pivot points are at the mid point, so the distances from both the conductor and the weights to the pivot points are the same.

The very small weights required are supplied as small coils of fine wire and these can be cut into sections to be placed on the end of the beam to achieve a horizontal balance point.

The weights are glued to a strip of board and are packed in a small plastic container.

A small set of tweezers is supplied for ease of handling the weights. An electronic balance is required to weigh the total weight placed on the beam to achieve a horizontal

Designed and manufactured in Australia

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