

Item Name : Young's Modulus Apparatus Searle's Type

Item Code : 3136.2008.01

Item Description :

A specially designed apparatus capable of greater degree of sensitivity and accuracy. Two cast metal rectangular frames hinged together parallel to each other to allow only vertical relative motion, with a spirit level fixed on a cross-bar pivoted across the frames for noting the reference point. One frame has vertical scale 10-0-1 Ohm with a micrometer head along it reading to 0.01 mm for adjusting the spirit level. Each frame has a selfcentering chuck at its top for holding wires and load hooks at the bottom. Also included are ceiling bracket carrying a pair of chucks, a counterpoise weight and a set of two wires, one each of brass and steel. The relative displacement between the two frames can be known from the micrometer reading after adjusting the bubble of Spirit Level.

Item Image :



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