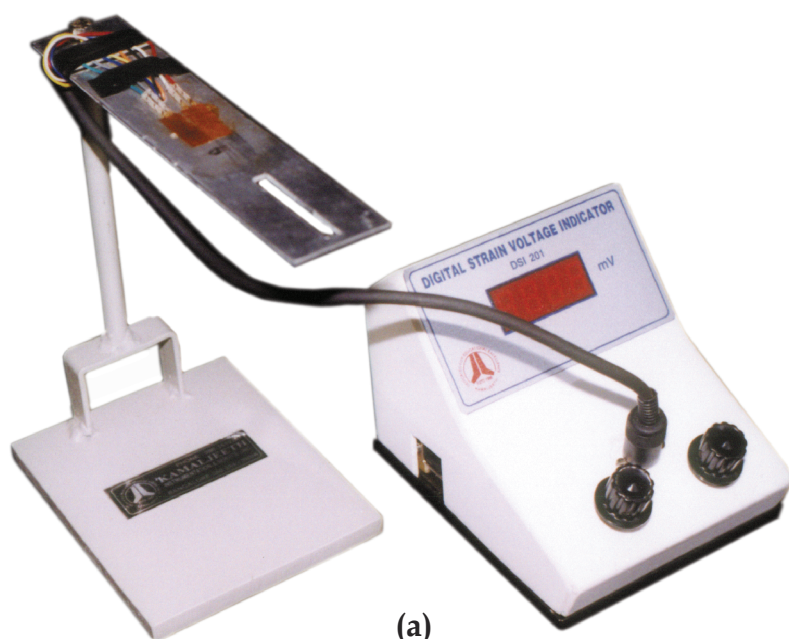


Experiment(s):

1. Determination of Young's modulus of rectangular cross section by cantilever method

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : Lab Experiments Journal vol-3, No.2, Page-110



(a)



(b)

Experiment setup consists:

- a) Strain gauge amplifier
- b) Weight set

Specifications:

a) Strain gauge amplifier

Milli-voltmeter with built in power supply and zero setting
Strain gauges: 4 Strain gauges connected in Wheatstone bridge
Gauge factor: $2.1 \pm 2\%$
Excitation voltage: 1.2 V
Load variation: Slotted weight set
Rated Input: 220 V/50 Hz
or 110 V/60 Hz

Cantilever beam: Aluminium of standard length and thickness,
Interchangeable beams with varying length, thickness and materials available on request

b) Weight set

One set of 5 x 50 g



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