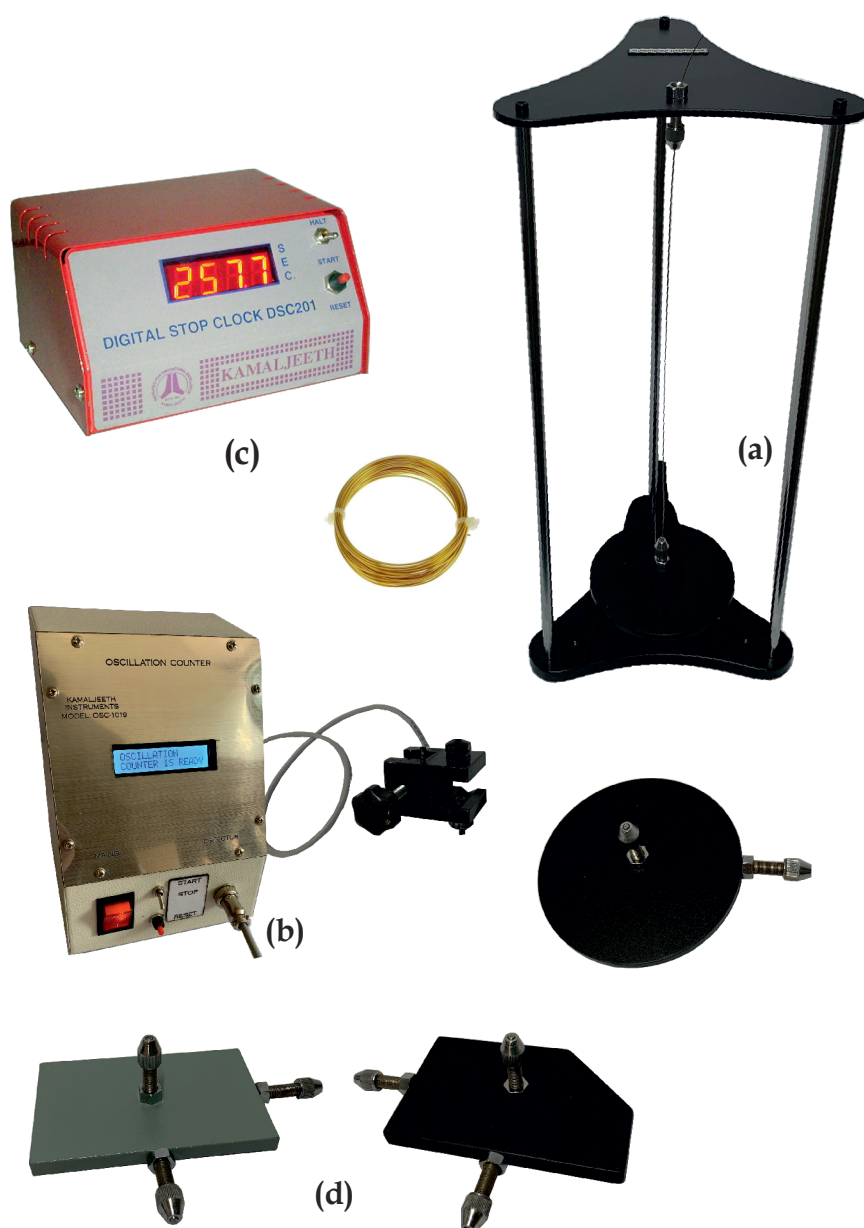


## Experiment(s):

1. Determination of moment of Inertia of the given object
2. Determination of rigidity modulus of the given wire

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

Reference : Lab Experiments Journal vol-14, No.3, Page-173



## Experiment setup consists:

- a) Torsional pendulum stand with circular disk
- b) Oscillation counter OR
- c) Digital stop clock (Optional)
- d) MI plates - Rectangular & Irregular (Optional)

## Specifications:

### a) Torsional pendulum stand

Base: Heavy mild steel  
Support rods: Stainless steel  
Chuck nut: One  
Reference pointer: One  
Levelling screw: Yes  
Wire: Brass (2 m)  
MI plate: Circular

### b) Oscillation counter

Range: 0-999.999 sec  
Resolution: 0.001 sec  
Time measuring: Based on input from single start/stop sensor  
Reset: Manual  
Counts number of oscillation and time period for the oscillation

### OR

### c) Digital stop clock (Optional)

Range: 0-999.9 sec  
Resolution: 0.1 sec  
Time measuring: manual start/stop  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz

### d) Rectangular & Irregular MI plate

Suitable for parallel and perpendicular configuration  
Chuck nut: One only



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Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA

Website: [www.kamaljeeth.net](http://www.kamaljeeth.net), Email: [labexperiments@kamaljeeth.net](mailto:labexperiments@kamaljeeth.net)

3 years manufacturing  
warranty