



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Disc Brake Apparatus

**Product Code :**  
LBNY-0005-14000015



#### **Description :**

A single shaft runs through the brake disc and the wall bracket supports. A cord pulley mounts to the shaft onto which is mounted a cord terminating in a load hanger. A Disc Brake Apparatus is mounted into a sturdy frame which must be mounted vertically. The rotational angle of movement of the disc wheel can be viewed using the external protractor.

All load hangers, and calibrated weights are supplied with the Disc Brake Apparatus. Two bell crank levers are mounted either side of the Disc Brake Apparatus. Through the load hanger and calibrated weights the leverage load is applied to the brake disc and the parameters of braking force, braking torque, normal force can be assessed.

#### **Experimental Capabilities:**

Material suitability testing

Friction

Normal forces

Braking torque

Effective radius of the brake pads.

#### **Technical Specification :**

Brake pads in aluminium, brass, nylon, brake material (one pair each)

Protractor, 360°, 1° increments

Stainless steel disc wheel, Ø210mm

Set of slotted weights

3 different radial positions for brake pad sets, 20mm intervals

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2 hangers of 100g each.



**Laboratory Instrument India**