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**Product Name :**  
Materials Laboratory with Data Capture

**Product Code :**  
LBNY-0005-1380003



#### **Description :**

The machine tests any suitably shaped specimens of various materials. A hydraulic tensile and Brinell hardness testing machine. The material must not exceed the maximum strength or hardness limits. The load frame is mounted on adjustable legs. The display unit shows force and works as an interface to send data to a suitable computer. To apply loads, students pump a handle connected to a hydraulic pump. The extensometer has a digital display of extension and connects to the display unit for data capture.

#### **The main parts of the equipment are:**

- A ball indenter for Brinell hardness tests
- An extensometer with a digital display for tensile tests
- A load frame
- A display unit with a digital display of force.

#### **Technical Specification :**

##### **Nett dimensions and weight:**

Display unit: 50 mm high, 230 mm wide and 210 mm front to back, and 1 kg with power supply.  
Load frame: 860 mm high, 490 mm wide, 615 mm front to back, and 44 kg with extensometer and Brinell spacer.  
Total net weight of all parts: 45 kg.

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# Laboratory Instrument India

