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**Product Name :**  
Materials Engineering Learning System

**Product Code :**  
LBNY-0005-1310007



**Description :**

Materials Engineering Learning System uses industrial quality components to teach students how to evaluate and use different industry grade materials. The Materials Engineering Learning System allows students to conduct a wide array of tests including tensile testing on steel alloys.

Material strength properties affect the performance and safety of almost every product made. As technology has advanced, material choices have broadened and become more complex. Students learn industry-relevant skills in materials testing (tensile, compression, hardness, and shear), computerized data acquisition, chemistry of metals, interpretation of industry-standard numeric identification systems of various types of metals (steel, aluminum, brass, and copper), material strength analysis, and product design. Engineers and technicians alike must be able to select the proper material for an application and analyze material properties when a product fails.

**Features:**

- Excellent preparation for study of engineering, manufacturing, industrial maintenance
- Data analysis and problem solving
- Understanding of realistic array of industrial materials such as steel, copper, aluminum, and brass
- Visualization of material stress
- Industrial quality components and relevant skills.

**Technical Specification :**

Materials Engineering Learning System



**Laboratory Instrument India**