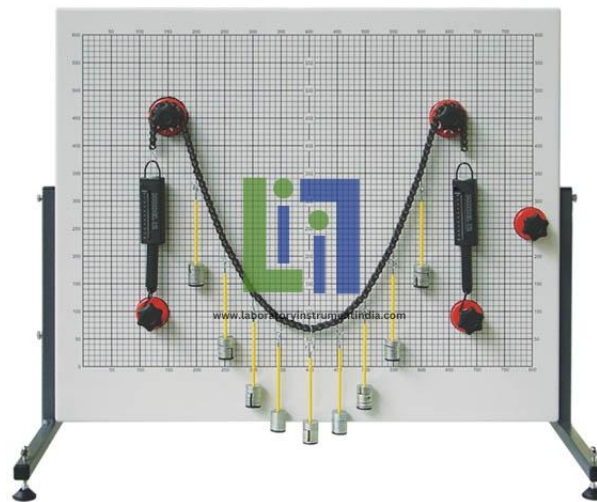




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Suspension Cable Demonstration

**Product Code :**  
LBNY-0005-13900055



#### **Description :**

For use with the Work Panel the kit allows several experiments with a suspension cable. The versatility of the kit means that you can create symmetrical and non-symmetrical cables, with point loads or with evenly-spread loads. Students or teachers fit the magnetic parts of the kit to the Work Panel to study or demonstrate the shapes and tensions in a suspension cable. The kit compares a suspension cable with a catenary cable and analyses results using catenary and parabolic theory. It includes a roller chain (the cable), held by magnetically mounted sprocket pulleys and a set of weight hangers and weights. Spring balances measure the tension in the cable.

#### **Experiments:**

Comparison of a symmetrical suspension cable and catenary  
Unsymmetrical suspension cable  
Analysis using catenary and parabola theory  
A point load on a suspension cable  
Cable weight and tension.

#### **Technical Specification :**

##### **Technical Operating Conditions:**

Operating temperature range: +5C to +40C  
Operating relative humidity range: 80% at temperatures For use in: Well lit classroom or laboratory  
Storage temperature range: 25C to +55C (when packed for transport).



**Laboratory Instrument India**