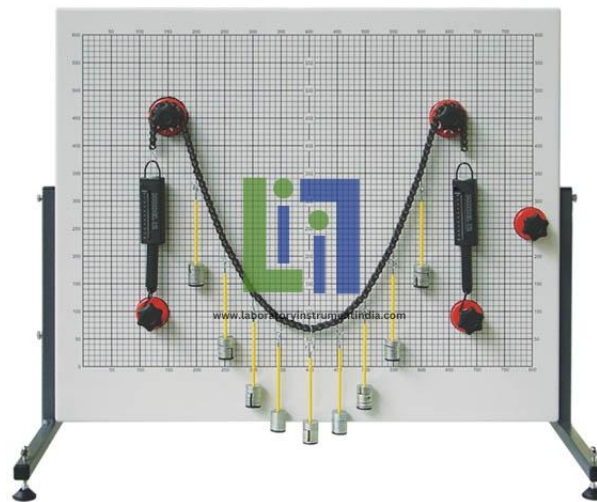




Email : sales@laboratoryinstrumentindia.com

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