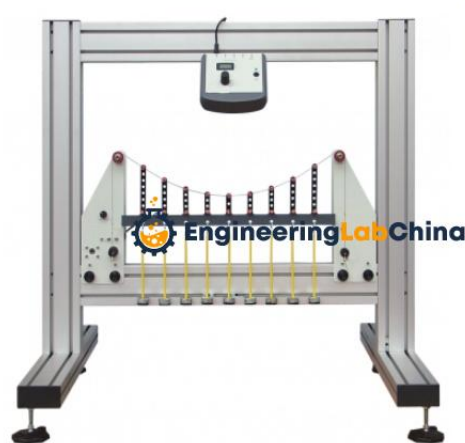


**Product Name :**  
Simple Suspension Bridge Experiment

**Product Code :**  
CHINAELABC2700007



#### Description :

Simple Suspension Bridge Experiment

#### Technical Specification :

An experimental apparatus to investigate a simple suspension bridge structure, and measure the cable tension under various loads.

The experiment hardware fits onto the Structures Test Frame.

The equipment includes a signal cable to connect the load cell to a Digital Force Display.

Students use masses on weight hangers to apply various loads to a rigid deck, joined to a parabolic cable via hangers.

The suspension cable passes over pulleys at each end.

One end is rigidly fixed.

The other end connects to a mechanism bearing on a load cell.

When connected to a Digital Force Display, the load cell measures the cable tension.

The Operation Manual provides details of the equipment including sample experiment results.

The Operation Manual describes how to use the equipment and gives experiment procedures.

#### Key features:

Allows safe and practical experiments into a simple suspension bridge structure

High-quality structures training module for students of mechanical, civil and structural engineering

Realistic and verifiable experiment results

Optional Structures Software package for extra, 'virtual' experiments, that simulate and confirm the results from your hardware and allow extended experiments

Optional unit with Structures Software package for automatic data acquisition and virtual experiment.



**Engineering Lab China**