

## Sag and Tension (Hanging Rope) Apparatus (EDC-MM-114)

### EXPERIMENTAL DATA:

- To determine the tension developed in various parts of a hanging rope loaded at a single point by experimental and analytical methods
- To visualize the working of hanging rope apparatus under the application of force



### DESCRIPTION:

This wall mounted dual triangle apparatus allows to visualize the working of a hanging rope under the action of force. Provided weight can be suspended on the cord passing over the pulleys and the provided spring balance tell the tension in each side.

Height of pulleys can also be adjusted to vary the angle of the suspended cord.

### TECHNICAL DATA:

- Pulley with variable adjustment of height
- Triangular wall mounted boards
- Calibrated weight sets

### RELATED LAWS:

- Direction of action
- Point of application
- Magnitude of action

### DIMENSIONS AND WEIGHT:

L x W x H (mm): 1200 x 700 x 200

Weight Approx.: 8kg

### SCOPE OF DELIVERY:

- 1 x EDC-MM-114
- 3 x Load Hangers
- 3 x Weight Sets
- 5m Spare Cord
- 1 x Instructional Manual