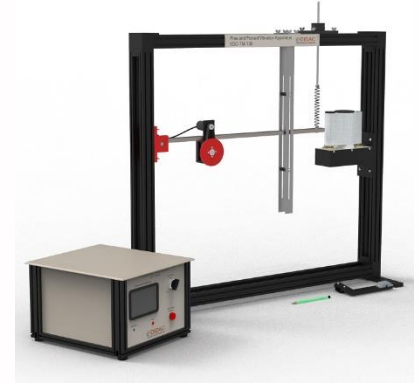


## Free and Forced Vibration Apparatus (EDC-TM-135)

### EXPERIMENTAL DATA:

- Study of Free Vibration.
- Study of Forced Vibration.



### DESCRIPTION:

Vibrations occur in a variety of ways in engineering. In some where they are needed to happens, but in engines and machines they are unwanted. Apparatus is used to study the free and forced vibrations. Apparatus contains an aluminum frame profile. A bar oscillator is used for vibration.

### SPECIFICATIONS:

- Study of mechanical vibration theory:
  - Free Vibration
  - Forced Vibration
- A spring attached with bar.
- Bar oscillator.
- Motor for oscillation.
- Drum Recorder.

### DIMENSIONS AND WEIGHT:

- L x W x H (mm): 350 X 1200 X 1100 approx.
- Weight: 22 kg approx.

### SCOPE OF DELIVERY:

- 1 x EDC-TM-135.
- 1 x Instructional Manual.

### TECHNICAL DATA:

- Coil sprig:
  - 0.75N/mm.
  - 1.5 N/mm.
  - 3N/mm.
- Digital sensor for examining oscillations of the bar.
- Motor for oscillation, variable:
  - 0 to 50 Hz.
- Drum recorder: 20mm/s, width 1000mm.
- 230V, 50Hz, 1 phase.

