Static and Dynamic Balancing Apparatus

(EDC-TM-132)

EXPERIMENTAL DATA:

- Study of imbalance vibrations at different speeds.
- Evaluation of static, dynamic or general imbalance.
- Regulate an imbalance.
- Accomplish a balancing operation.

DESCRIPTION:

Imbalances on rotating machines are often the reason of troublemaking vibrations and noise. During imbalance, the primary axis of inertia or center of gravity of the revolving machine component is outside its axis of rotation. By adding or removing masses, the center of gravity or the principal axis of inertia can be erased so that both coincide with the axis of rotation. This process is called balancing. The machine component is then balanced and runs without vibration.
Optional Software is available for Data Acquisition and Control Function.

SPECIFICATIONS:

- Study of static and dynamic imbalance.
- Procedures elaborate in balancing.
- Transparent protective cover for safe operation.
- Foundation with elastic bearing.
- Integrated angular and longitudinal scale.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 450 X 400 X 450 approx.
- Weight: 25 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-TM-132.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Imbalance Masses: Qty 4.
- Total imbalance: 880cmg max.
- Transparent cover for safety during operation.
- Variable Speed:
  - 0 to 1400 RPM.
- 230V, 50Hz, 1 phase.