



DESCRIPTION:

- Experimental unit can be used to demonstrate imbalance and the balancing process clearly.
- The difference between a static and a dynamic imbalance can be shown. Imbalance is determined and balanced by appropriate measures.
- The main element of the experimental unit is a smooth shaft to which four variable imbalance masses are attached at any angular and longitudinal position.
- The shaft is mounted on ball bearings. It is driven by a variable-speed electric motor and a belt. The speed of the shaft is displayed digitally.
- In order to determine the imbalance, a defined external moment is applied via an additional pulley with weights.
- This moment is compared to the moment of the imbalance masses. A transparent cover protects against contact with rotating parts and allows a clear view of the shaft..

EXPERIMENTATION:

- demonstration of imbalance vibrations at different speeds
- comparison of static, dynamic or general imbalance determine an imbalance
- perform a balancing operation

TECHNICAL DETAILS

- Number of imbalance masses: 4
- Max. total imbalance: 880cmg
- Measuring range
- speed: 0...1400min⁻¹

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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