



Email : sales@laboratoryinstrumentindia.com

Product Name :
Field Balancing Apparatus

Product Code :
LBNY-0005-16500016



Description :

The imbalance of a rotating machine part may cause harmful vibrations in the entire machine. A familiar example is unbalanced tyres on a car. In rotating machines such as turbines or pumps, vibrations due to imbalance lead to comfort problems or even damage related to overloading. If this balancing is done not on a particular machine but directly on the machine in operation located on-site, it is known as field balancing. These cause annoying and unpleasant vibrations in the steering. This is why almost all rotating parts are balanced.

Learning Objectives And Experiments:

- Measure and assess machine vibrations
- Static, dynamic or general imbalance
- Occurrence of imbalance vibrations
- Field balancing in one plane
- Field balancing in two planes
- Dependence of imbalance vibration on position and magnitude of the imbalance
- Basic principles of balancing
- Using a computerised vibration analyser
- Assessment of balancing quality.

Features:

- Single and two-plane balancing
- Measurement of imbalance vibrations.

Technical Specification :



Laboratory Instrument India