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Product Name :
Computer Controlled Torsional Vibration Unit

Product Code :
LBNY-0005-13100024



Description :

The Computer Controlled Torsional Vibration Unit is an unit designed to study the torsional vibration, the torsional stiffness and the behaviour of a torsional vibration system with two and three torsional weight vibrator. Vibrations are transmitted into the torsion bar by means of an electrical motor, which speed is computer controlled. The bar is supported by the base with movable pillars.

An adjustable damper can influence in the vibrations. Shaft encoders on the chucks provide the amplitude of vibration as an electrical signal.

Rigid weight discs, of several diameters and inertia, and pivoting bearings can be located at unlimited positions along the bar.

To facilitate the theoretical comprehension, the exercises are made with a metal torsion test bar, the main element of the unit.

Weight discs can be fixed to the bar with the aid of chucks and flanges; this way, it is possible to assemble torsional vibration systems with one, two or three weights.

Technical Specification :

Computer Controlled Torsional Vibration Unit



Laboratory Instrument India

