Product Code :

Product Name : Free Torsional Vibration



Description :

This product is part of a range that explores freevibrations in simple one degree of freedom systems. This product includes a rotating disc or rotor at the end of aslender rod. You can compare this with the massspring system, except itreplaces mass with the rotors mass moment of inertia and the spring with thetwisting of the rod. A back panel fixes to the Test Frame. The panel holds twovertical runners. This product fits to the sturdy Test Frame for study ordemonstration. A bushing ensures the rotation remains along the axis of therod, and supports the rotor during setup. The runners hold a chuck that securely grips a specimen rodat any position along its length. The bottom of the rod fixes to a rotor thatis free to rotate.

Technical Specification :

It introducesstudents to key scientific terms such as: Polar moment of area Simple harmonic motion Mass moment of inertia Frequency of oscillation Shear modulus Phase difference between displacement and its derivatives. Laboratory Instrument India

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