

EQUIPMENT FOR STUDYING STATIC AND DYNAMIC TORSION

Mod. F-TORS/EV

DESCRIPTION

This system has been designed to study the torsion of couples and the torsion pendulum.

This equipment enables to measure the following parameters:

- torsion constant of wires with different diameters and lengths
- torque applied to wires versus the distance of the applied force
- moment of inertia of a torsional pendulum

This system consists of a plate with a central hole, equipped with two ball-bearing pulleys.

The lines plotted on the plate indicate the direction of action lines.

A set of torsion wires with weights is included for the application of forces to the lever.



TRAINING PROGRAM

- Determining the period of vibration based on the geometrical dimensions of the bars (length and diameter)
- Determining the rigidity modulus for the material in question

TECHNICAL SPECIFICATIONS

- Equipment for studying torsions, 30 x 40 x 80 cm
- Aluminium rods, various sizes (300 mm long, Ø 2 mm; 500 mm long, Ø 2 mm, 3 mm, 4 mm)
- Brass rod length, 500 mm long, Ø 2 mm
- Copper rod length, 500 mm long, Ø 2 mm
- Steel rod, 500 mm long, Ø 2 mm
- Mass Set

SUPPLIED WITH
THEORETICAL - EXPERIMENTAL
HANDBOOK

