

KATER'S REVERSIBLE PENDULUM

Mod. F-KAT/EV

ME

PHYSICS

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45A-E-ME-FKAT-0

DESCRIPTION

The reversible pendulum is a physical pendulum with two bearing fulcra, and a fixed and a movable pendulum bob. When correctly adjusted, the pendulum will oscillate around both fulcra with the same period of oscillation.

The pendulum is suspended from very low-friction needle bearings on a stable support. To adjust horizontal orientation, the support is equipped with two adjustment screws and a level.

TRAINING PROGRAM

- Measuring the period of oscillation of a reversible pendulum for two fulcra
- Adjusting the reversible pendulum for equal periods of oscillation
- Determining the acceleration due to gravity

TECHNICAL SPECIFICATIONS

- Height of the apparatus with pendulum: 1.25 m approx.
- Length of the pendulum rod: 1,2 m
- Distance between bearing points: 800 mm
- Mounting plate for light barrier.
- Light barrier
- Digital timer



SUPPLIED WITH
THEORETICAL - EXPERIMENTAL
HANDBOOK



OPTIONAL

- **EVLAB DATALOGGER mod. EV2010/EV** including **SOFTWARE EVLAB WORKSPACE mod. SW-F-KAT/EV** for a total control of interactive experiments
- **PERSONAL COMPUTER**

