INCLINED PLANE
Mod. F-PI/EV

45-A

DESCRIPTION

Apparatus for the study of inclined plane and friction. It consists of a flat board: one of its ends is hinged onto the base, whereas the other end is equipped with a takeup pulley for the rope. Its inclination can be modified. It is equipped with metallic roll, truck and slides for friction.
It is equipped with a goniometer for measuring the tilt angle.

The Datalogger and the photogate sensor with pulley will enable to compare the theoretical and experimental values of acceleration.

TRAINING PROGRAM

- Measuring the frictional strength according to the tilt angle of the inclined plane
- Representing the ratio between frictional strength and weight according to the tilt angle
- Concept of static and dynamic friction
- Acceleration on inclined plane
- Components of forces on inclined plane
- Determining frictional strength
- Determining the coefficient of friction

TECHNICAL SPECIFICATIONS

- Inclined plane 600 x 75 mm
- Goniometer
- Truck
- Pulley
- 1 dynamometer, 5 N
- Weighing set, 1 to 500 g
- Digital chronometer
- Inextensible wire
- Slides of wood and of plastic
- Metallic roll 70 x 25 mm

SUPPLIED WITH

THEORETICAL - EXPERIMENTAL HANDBOOK

OPTIONAL

- **EVLAB DATALOGGER mod. EV2010/EV** including **SOFTWARE EVLAB WORKSPACE mod. SW-F-PI/EV** for a total control of interactive experiments
- 1 photogate sensor **mod. EVS-04-PLUS/EV**
- **PERSONAL COMPUTER**

ELETTRONICA VENETA S.P.A. - 31045 Motta di Livenza (TV) Italy - Via Postumia 16 - Tel. +39 0422 765 802 - Fax +39 0422 861 901 - E-mail: export@elettronicaveneta.com