



The use of the demonstration board for physics offers the following advantages for the lecturer:

- Minimal preparation time
- Lucid and simple set-up
- Labelling of the experiment directly on the board
- Magnet-held arrows, linear and angular scales
- Stable storage box
- Both sides of board can be used for mechanics and optics
- Galvanised sheet steel board in aluminium profile frame
- Mechanics side: lacquered
- Optic side: white foil with lined grid

This HANDBOOK can be purchased separately. It contains the experiments listed below. Please ask for a complete equipment list. Ref No 21701

Handbook • Magnet Board Mechanics 1
No. 01152.02 • 31 described Experiments

1 Forces

MT 1.1 (12516)

Mass and weight

MT 1.2 (12517)

Extension of a rubber band and helical spring

MT 1.3 (12518)

Hooke's law

MT 1.4 (12519)

Making and calibrating a dynamometer

MT 1.5 (12520)

Bending a leaf spring

MT 1.6 (12521)

Force and counterforce

MT 1.7 (12522)

Composition of forces having the same line of application

MT 1.8 (12523)

Composition of non-parallel forces

MT 1.9 (12524)

Resolution of a force into two non-parallel forces

MT 1.10 (12525)

Resolution of forces on an inclined plane

MT 1.11 (12526)

Resolution of forces on a crane

MT 1.12 (12527)

Restoring force on a displaced pendulum

MT 1.13 (12528)

Determination of the centre of gravity of an irregular plate



MT 1.14 (12529)

Frictional force

MT 1.15 (12530)

Determination of the coefficient of friction on an inclined plane

2 Simple machines

MT 2.1 (12531)

Double-sided lever

MT 2.2 (12532)

One-sided lever

MT 2.3 (12533)
Double-sided lever and more than two forces

MT 2.4 (12534)
Reaction at the supports

MT 2.5 (12535)
Moment of rotation (torque)

MT 2.6 (12536)
Beam balance

MT 2.7 (12537)
Sliding weight balance

MT 2.8 (12538)
Fixed pulley

MT 2.9 (12539)
Free pulley

MT 2.10 (12540)
Block and tackle

MT 2.11 (12541)
Step wheel

MT 2.12 (12542)
Toothed-gearing

MT 2.13 (12543)
Belt drives

3 Oscillations

MT 3.1 (12544)
Thread pendulum

MT 3.2 (12545)
Spring pendulum

MT 3.3 (12546)
Physical pendulum
(reversible pendulum)



Resolution of forces on an inclined plane (MT 1.10)