

## COIL WITH 6 HEAVY TURNS



Secondary coil, to make a model of a welding transformer. Works with double U-core 114360.

**114372**

## TICKER TAPE TIMER



For measurement of velocity and acceleration. Sturdy model with hole and rod for mounting on stand. Comes with a roll of paper 18 mm and package of carbon paper discs.

**111256**

## CURRENT BALANCE



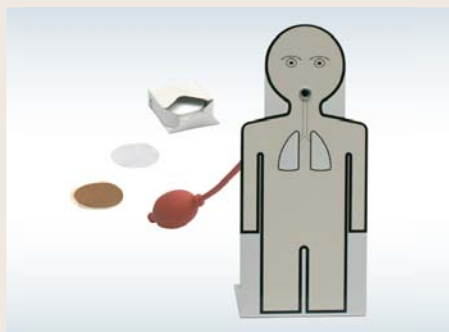
With 4 interchangeable printed conductors (1, 2, 4 and 8 cm). The holder is turnable in a horizontal and vertical position. Complete with a set of 6 removable permanent magnets in holder. The maximum current is 5A.

**114388**

## SMOKING TEST-SET

**300124** Shows clearly the tar-content of different cigarettes without smoking a cigarette yourself. The set consists of a filterholder on a stand with suction-balloon and a package with special filters.

**300126** Set spare-filters, 25 pieces.



## OSMOSE APPARATUS

Two plexiglass cylinders with end and rubber O-ring. Provided with semi permeable membrane and 2 glass tubes.



**111417**

## DIGITAL THERMOMETER



With stainless steel probe and LCD display 60x 17 mm. Range -40 – +200 °C.

**111669**

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## TECLU-UNIT

Consists of a heavy metal base with stainless steel tripod and teclu-burner. Improves safe working and easy storing of the complete unit including the gas tube. Height 21 cm.

118123



## PICO-GC GAS CHROMATOGRAPH

The PICO-GC Gas Chromatograph is a simple, low cost gas chromatograph for educational use. Operates at room temperature and uses air from a membrane-pump as carrier gas. Comes with a standard non-polar column. The PICO-GC is designed to operate with all standard computer based measuring systems such as Labquest, Coach or Science Workshop. Comes with membrane-pump and all accessoires needed.

116300



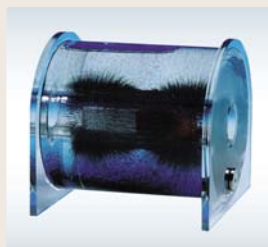
## BOYLE'S LAW APPARATUS

What is the relationship between pressure and volume (Boyle Marriott). This transparent apparatus gives the right answer. It shows the value and change in volume and pressure at once, even when you turn from plus to minus 1 N/cm<sup>2</sup>. Cilinder 300 x 40 mm. Meter scale 100 mm.

111555



## THREE DIMENSIONAL MAGNETIC FIELD MODEL



A perfect and sturdy working model to show a three dimensional magnetic field.

**II4524**

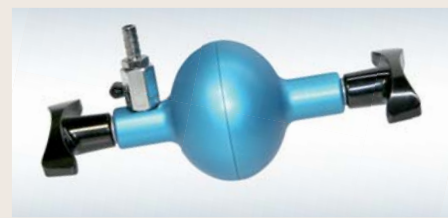
## STUDENT BALANCE



Made of aluminium and stainless steel pans with a blue modern hard-plastic base. Capacity 500 g. Sensitivity 20 mg.

**II1023**

## MAGDEBURG HEMISPHERES



It works perfect, made of massive cutted aluminium with a diameter of 10 cm.

**II1523**

## MOTOR, DYNAMO AND VIBRATION GENERATOR



With accurate speed control and direct top speed. Very strong model, built in aluminium housing with rod, screw thread and pulley. Input 0 - 12 volt DC, nominal speed 2400 rpm

**II1258**

## OPTICAL SET FOR MAGNETIC BOARD



Suitable for demonstration of the properties of refraction, diffraction and ray tracks in

lenses and prisms. Provided with magnets for mounting on the metal magnetic board. The complete set is stored in a solid suitcase with layers. Optical width of the lenses is 100 mm.

**II2200**

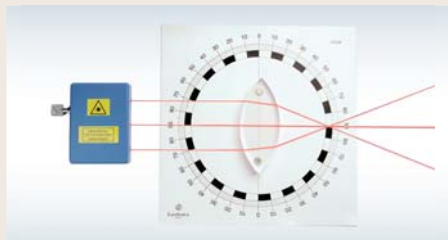
## LIGHT SOURCE HALOGEN 20 W, MAGNETIC



Metal black housing, complete with condenser object/lens and sockets 4 mm.

**II2202**

## TRIPLE LASER LIGHT SOURCE, MAGNETIC



Equipped with a key switch and a AC adapter 220V / 3 V DC.

**II2208**

## BASIC OPTICAL KIT WITH BENCH



For individual practical work, including all the necessary items to perform

a wide range of experiments. The halogen light source can also be used for geometric optics. The optical bench of 100 cm is made of anodised aluminium and also suitable for making an inclined plane.

**II2110**

## BASIC SUPPLEMENTARY KIT FOR GEOMETRIC OPTICS



Complete supplementary set, consists of disk lenses, mirrors, diaphragms and an opal screen

with at one side a 360° circular scale and at the other side two-eye models.

**II2114**

## INCLINED PLANE - DYNAMICS TRACK



Made of natural anodised aluminium.

**II8520** Length 60 cm without scale

**II8521** Length 100 cm with scale

## ACCESSORIES FOR DYNAMIC TRACK

**II1301** Buffer with pin, made of stainless steel.



**II1303** End stop with pin, for fixing pulley with pin, ticker tape timer and buffer.



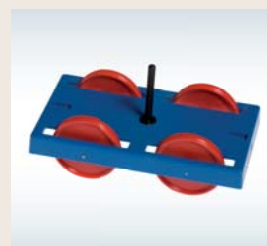
**II2150** End stop with pin, for fixing pulley with pin (low) and buffer.



**II1302** Pulley with pin



## TROLLEY



Low friction trolley with rod to fit extra weights. With holes for connecting cord and buffer with pin.

**II1300**

## DIGITAL STUDENT METERS

Easy to use student meters without knobs or switches. After inserting a 4 mm plug the meter switches on and is ready for use.

*Further specifications:*

Input resistance: > 100 mOhm

Accuracy: 0,5%

Size: 120 x 80 x 25 mm



- II4005** Voltmeter  
200 V / 0,1 V
- II4006** Ampere meter  
20 A / 0,01 A  
protected up to 20 A
- II4004** Ampere meter  
2 A / 0,001 A  
protected up to 4 A



## MASS SETS

Made of brass, low form, arranged in 1-2-2-5 system (except II1046). Aluminium fractions 50 mg/ 500 mg, complete with forceps for fraction weights.

We can also offer you all different spare weights.

- II1043** Set of weights  
1 g - 50 g in  
wooden block
- II1044** Set of weights  
50 mg - 100 g in  
plastic box with lid
- II1045** Set of weights  
50 mg - 200 g in  
plastic box with lid
- II1046** Set of weights  
1 g - 500 g in  
wooden block



## LED LIGHT SOURCE



**II2309**

Light source provided with ultra white LED-lamp.

Perfect solution for use on the optical bench, no problem with heat and has a powerful light beam.

## TRANSFORMER FOR STUDENT USE

- II4341** Laminated U- and I-core  
with 2 x 2 cm legs. Complete  
with winged and plastic base.  
Coils with very sturdy house,  
provided with three 4 mm  
sockets.



	Number of turns	Amperage
<b>II4351</b>	200-100-100	3 A
<b>II4352</b>	300-150-150	2 A
<b>II4354</b>	600-400-200	1 A

## OPTICS DEMONSTRATION KIT

We guarantee the quality and the exchangeability of all parts. This kit consist of all necessary parts to do the most important experiments. Comes with a optical bench 120 cm, riders, light source halogen 50 watt, 8 different mounted lenses, set of diaphragms, 3 prisms with holder, adjustable split, projection screen, optical disc with lenses and accessories, set colour filters, polarisation tube, set polaroid filters, cuvette and two stands for holders.



**II2300**

## TRANSFORMER FOR DEMONSTRATION

- II4360** Laminated double U-core with 3 x 3  
cm legs with base and rod with screw  
for connection of both parts. Coils  
with very sturdy house, provided  
with 4 mm terminal sockets.



	Number of turns	Amperage
<b>II4373</b>	100-50-50	10 A
<b>II4374</b>	300-150-150	5 A
<b>II4376</b>	600-400-300-200	2.5 A
<b>II4378</b>	1200-800-400	1.2 A

