

# PHYSICS BEST SELLERS

A selection of top quality products from IEC  
All Australian Made

## CLASSROOM DIGITAL METERS

The most accurate, reliable and indestructible DC meters ever, the three models cover 0-20 x 10 mA, (LB2122-001), 0-2x 1mA, (LB 2122-010) and 20x 10mV (LB123-001). Reversible polarity, large displays, auto off. **Light and compact, able to withstand massive overload. A must for all senior schools.**

- LB2122-001 Ammeter, +/-20A.DC,x10mA,AUTO PWR OFF
- LB2122-010 Ammeter +/- 2A.DC,x 1mA,AUTO PWR OFF
- LB2123-001 Voltmeter +/- 20V.DC.x10mV,AUTO OFF



**NEW**  
\$70  
each



## POWER SUPPLY

For banana plugs and alligator clips, with front mounted on/off switch, overload trip.

**BEST SELLER**  
2633001  
\$119  
each



## RESISTOR SET

A versatile new resistor set that enables combinations of resistors to be used in circuits. Robust, ventilated and compact, the permissible current is marked for each resistor, while the 12 volt maximum across each resistor makes this an easy-to-use unit for all relevant studies.

2710001  
\$98.50  
set

**BEST SELLER**  
1003001  
\$420  
kit



## DIGITAL COLORIMETER

A sturdy unit for the measuring of concentrations of solutions. The LCD display can provide either 'Transmission' or 'Absorption' measurements. Internal red, yellow, green, and blue LED light sources with +/- 2% reproducibility.

Operate on 9V battery (included) or standard 240/12V AC (not included). Includes instructions, 6x cuvettes, 4x test tubes.



**NEW**  
2668001  
\$212  
each

## MAGIC SOURCE

Designed for the simulation of radioactive sources, this unit is completely safe and requires no shielding. Microprocessor controlled, it is reliable and shows counts in the same way as the real thing, and allows some difficult concepts to be grasped.



**NEW**  
1884001  
\$636  
each

## GEIGER COUNTER

For the detection and counting of Alpha or Beta particles and Gamma rays. Continuous or timed counts with digital display. Maximum counting rate 10 kHz, Battery or plug pack operation. Instructions and applications available.





AP2343-001

\$99  
each

### PLANCK'S CONSTANT APPARATUS

This IEC equipment is simple to use and produces reproducible results that correspond closely to the original. Requires a micro ammeter, a 20V meter and a DC power supply, this low cost experiment is suitable for Year 11/12 Physics. Instructions included.



2060001

\$110  
each



### HODSON LIGHT BOX

HODSON 12V, STANDARD KIT

The comprehensive kit of parts permits many experiments in basic optics and colour blending.



MF0945001

\$128  
pair

### DYNAMICS CART

PERFECT FOR INCLINED PLANE & BENCHTOP EXPERIMENTS

The safest and sturdiest dynamics carts in the market. With inboard low friction wheels to avoid tangles. Supplied as pairs and each cart has the full pin firing facility. A safety catch is included that allows the firing pin to be locked and unable to fire.



EM1100-001

\$125  
each



### COULOMB METER

Used to accurately measure the electric charge (the 'quantity of electricity') by means of a 1 microfarad capacitor. The current that may be flowing through a resistor, or the charge collected from a Van Der Graff machine is shown on an LED screen. Range to 1.999 nano Coulombs. 25 mm collector plate included. 9v battery required

3791001

\$38.50  
each



### SPECTROSCOPE, DIRECT VISION

A compact device for measuring the wavelength of light. An adjustable slit allows the light to enter the black chamber and the viewing eyepiece carries a 600 line/mm grating. The eye sees the incoming light split into its colours or wavelengths that appear to be deflected to the right hand side. With wavelength scale & adjustable slit.



NEW

EM4089-001

\$150  
each

### DISSECTIBLE TRANSFORMER

A versatile and instructive kit for studying transformers, inductors and motors. With pre-wound coils, replaceable iron cores to study eddy currents, losses and heating. Levitation, electromagnetic demonstration. AC or DC operation. In heavy duty carry case.



SW4250-001

\$160  
each

### WAVE MOTION APPARATUS

'POWELL'S PATTERN' WITH ROTATING SCALE

For demonstrating longitudinal and transverse motion. Consisting of a number of eccentric disc supporting a series of metal rods on revolving the handle, transverse waves are obtained. Longitudinal waves are obtained with bent rods running in a metal guide on a metal base.



2193201

\$38.50  
each

### HODSON MOTOR KIT, SET OF 2

SELF BUILD, IN JAR

This motor kit in a jar allows the students to wind their own electric motor and to make the brushes required to run it. Knowledge comes from the exercise of winding the motor and predicting results.



MF2593-001

\$34  
each



### UNIVERSAL BENCH PULLEY

A extra heavy duty pulley that, when clamped to a bench up to 40 mm thick, can be extended, or rotated to the horizontal. The bench clamp can also be used to hold retort rods.

### HODSON INDUCTION KIT

A hands on unit designed for the construction, study and understanding of magnetic induction, transformers and AC/DC motors, as well as a number of related topics. Safe due to low voltage inputs,, with easily identified parts in carrying case. Curriculum based with instructions



1973001

\$242  
each



NEW

LB2628-001

\$235  
each



### POWER SUPPLY, DIGI PAK

This compact unit is designed for general laboratory purposes and electronics where voltage regulation and smooth, ripple free supply is needed. LED display DC output on one side, 5 amp maximum low voltage AC or DC, or regulated DC on the other.



NEW

2635001

\$151  
each



### SELECTAVOLT POWER SUPPLY

Designed to replace batteries, this unit has a stable output of 1.5, 3 or 6 volts, with 2 amp continuous output. With regulated output for charging nicad batteries. Fully overload protected



3753101

\$310  
each



### MINIWAVE DIGITAL SIGNAL GENERATOR

The most versatile signal generator on the market, the unit will produce all standard wave forms with an output of up to 1 amp and a range of 0.1Hz to 99.999 Khz. Easy set buttons, adjustable output, many extra features. With full instructions.



### STROBOSCOPE

A digital versatile unit for determining the speed of the periodic motion of any moving object such as wheels, axles, pendulums, vibrators, springs etc. Ideal for engineers and the classroom, it has sockets for external input as well as internal setting. Measures in Hertz or RPM



3806001

\$280  
each



**4134101**  
**\$515**  
each

### VAN DE GRAAFF GENERATOR

Newly designed for ease of use and maintenance, this unit uses a silicone band for greater voltage and life. With spare motor drive belt. Accessories available. Full instructions available.



**3792020**  
**\$405**  
each

### SODIUM LAMP (INCLUDING POWER SUPPLY)

Ideal for spectral studies. This low cost Sodium Lamp & Power Supply is a compact and self contained instrument. Powered from 220/240V AC mains with a removable mains cable.



**2669001**  
**\$180**  
each

### REACTION TESTER

For the determination of reaction times of a person under varying conditions. Variable delay, remote input and design, ideal for biology and psychology. Complete with detailed notes and instructions. Needs Multi timer 2669001, standard power supply.



**HL4850001**  
**\$25.50**  
each

### YOUNG'S FRINGES

The double slit experiment was the basis for quantum theory, and this set of three 50x50 mm mounted slits enable this experiment to be reproduced easily. With slits of 0.05 mm, the three different spacing clearly show the interference fringes caused by the wave property of light.




**1920001** With cast plate 295  
**1921001** With PTFE-coated plate 325

### HOT PLATE SIMMERSTAT CONTROL

A general purpose laboratory hot plate with 'Simmerstat' temperature control and high temperature alloy plate for even plate temperature. Comes with plain or PTFE-coated hot plate.

- Power : 240V.AC. 600W
- Max plate temperature : +450°C
- With heat adjustable knob 1-10

CODE	DESCRIPTION	PRICE \$
1920001	With cast plate	295
1921001	With PTFE-coated plate	325




**1922001** With cast plate 375  
**1923001** With PTFE-coated plate 405

### HOT PLATE THERMOSTAT CONTROL

A general purpose laboratory hot plate with 'Thermostat' temperature control and high temperature alloy plate for even plate temperature. Comes with plain or PTFE-coated hot plate.

- Power : 240V.AC. 600W
- Temperature range : +50 to +320°C
- With thermostat control knob

CODE	DESCRIPTION	PRICE \$
1922001	With cast plate	375
1923001	With PTFE-coated plate	405




**2090001** With cast plate 445  
**2091001** With PTFE-coated plate 475

### STIRRER/HOT PLATE SIMMERSTAT CONTROL

A general purpose laboratory magnetic stirrer & hot plate with 'Simmerstat' temperature control and high temperature alloy plate for even plate temperature. Comes with plain or PTFE-coated hot plate.

- Power : 240V.AC. 600W
- Max plate temperature : +450°C
- With heat adjustable knob 1-10

CODE	DESCRIPTION	PRICE \$
2090001	With cast plate	445
2091001	With PTFE-coated plate	475



**2092001** With cast plate 515  
**2093001** With PTFE-coated plate 545

### STIRRER/HOT PLATE THERMOSTAT CONTROL

A general purpose laboratory magnetic stirrer & hot plate with 'Thermostat' temperature control and high temperature alloy plate for even plate temperature. Comes with plain or PTFE-coated hot plate.

- Power : 240V.AC. 600W
- Max plate temperature : +450°C
- With heat adjustable knob 1-10

CODE	DESCRIPTION	PRICE \$
2092001	With cast plate	515
2093001	With PTFE-coated plate	545