

## PRODUCTS EXCLUSIVE TO SCIENTRIFIC

### UV LED TORCH

A small torch with 12 UV light emitting LEDs. Powered by 3 AAA batteries for long life and economical use. These torches are an alternative to UV lamps for many forensic and biology experiments and provide a relatively brighter output than UV lamps. In a blue aluminium body. Overall size 122 x 34mm.

**SC92022** without batteries **\$8** each OR quantity discount for 5 or more just **\$7** each

**SC92022B** with quality alkaline batteries **\$10** OR quantity discount for 5 or more just **\$9** each



### WHITE LIGHT LED TORCH

A small torch with 12 white light emitting LEDs that emit a bright usable beam. Powered by 3 AAA batteries for economical use and long life. Great for both lab and home use. In a silver aluminium body. Overall size 122 x 34mm.

**SC92025** without batteries **\$5** each OR quantity discount for 5 or more just **\$4** each

**SC92025B** with quality alkaline batteries **\$7** each OR quantity discount for 5 or more just **\$6** each



### UV LAMP AND LED TORCH

A combined LED torch and UV fluorescent lamp. The three position switch allows the selection of either the UV lamp or LED torch and 'off'. Powered by 4 AA batteries. A wrist strap is included. The 4 watt UV lamp emits UVA which is sometimes called longwave UV. The LED emits white light. Overall size: 162 x 60 x 25mm.

**SC92015** without batteries **\$15** each OR quantity discount for 5 or more just **\$13** each

**SC92015B** with quality alkaline batteries **\$18** each OR quantity discount for 5 or more just **\$16** each



### LED DYNAMO TORCH

Made especially for us from clear plastic so that the 'workings' are easily seen, this easy to charge dynamo torch has three LEDs for a bright usable output. Charging is accomplished by repeatedly squeezing and releasing the handle which both powers the LEDs and charges an internal storage cell. In trials we have charged the storage cell for just a few minutes and found the LEDs were still glowing, albeit faintly, more than 24 hours later! An ideal demonstrator of energy conversion from mechanical to electrical energy and energy storage. It is also ideal as an emergency light for school and home use. When used as an emergency light it is far easier to use and far more practical than similar torches that use torch bulbs. Can also be easily dismantled to see how it works or for use as a static display. Overall size 101 x 72 x 28mm.

**SC92018** **\$8** each OR quantity discount for 5 or more just **\$7** each



### TORCH AND LAMP SET

A discounted set of the four light sources above ie: UV LED Torch, White Light LED Torch, UV Lamp and LED Torch, LED Dynamo Torch.



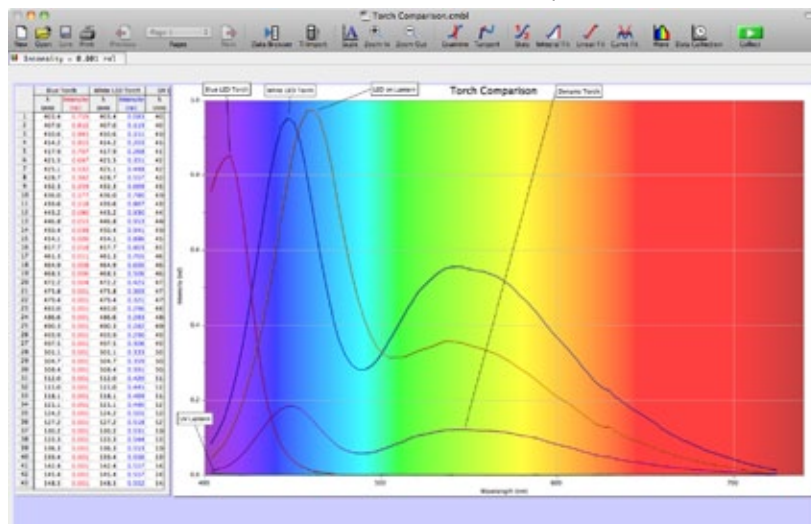
Pictured are alternative views of the:  
UV LED Torch  
White Light LED Torch  
UV Lamp / LED Torch  
Dynamo Torch (two views)

**SC92028** without batteries, **\$33** per set OR quantity discount for 4 or more just **\$28** per set

**SC92028B** with quality alkaline batteries, **\$39** per set OR quantity discount for 4 or more just **\$33** per set

### VERNIER SPECTROVIS-PLUS SPECTROPHOTOMETER

Pictured below is a computer screen-shot from **Logger Pro software** and the **SpectroVis Plus** spectrophotometer. Shown are the different spectrum and intensities from all of the torches and lamps shown above.



#### Features:

- \* Range: 380-950 nm (VIS-NIR)
- \* Collects 570 values (1nm between values)
- \* Optical resolution (~2.5 nm)
- \* Fluorescence excitation 405 and 500nm
- \* Portable: 15 x 9 x 4cm
- \* Collect a full spectrum in < 1 second
- \* Easy one-step calibration
- \* Connects directly to LabQuest or to a computer's USB port
- \* No external power required

#### More information:

[www.scientrific.com.au/product.php?p=7225](http://www.scientrific.com.au/product.php?p=7225)

#### SpectroVis Plus uses:

- \* Measure absorbance, % of transmittance, emissions spectra or fluorescence
- \* Conduct Beer's law investigations
- \* Dynamically study absorbance versus time
- \* Study absorbance versus time or absorbance versus concentration
- \* Conduct experiments on enzyme kinetics
- \* Perform colorimetric or fluorescent bio-assays
- \* Measure emissions of gas discharge tubes, flame tests, or other light sources, using the SpectroVis Optical Fibre accessory (sold separately).

The SpectroVis Plus measures absorbance, transmittance and fluorescence plus the INTENSITY of light sources across the entire visible light spectrum. Plugs straight into the USB port of a computer (Windows or Mac) running Vernier Logger Pro software and requires no other interface or power supply. It is ideal for portable use when used with the hand-held Vernier LabQuest data logger.

Allows you to easily collect a full wavelength spectrum (absorbance, percent transmittance or intensity) in less than one second. Once the peak wavelength is determined, you can easily determine the concentration of a solution (Beer's law) or monitor rates of reaction.

With its two different excitation wavelengths, SpectroVis Plus can quantitatively measure the fluorescence spectra of many compounds, such as chlorophyll, fluorescein and GFP etc.

**SVIS-PL \$708**

**SVIS FIBER \$109** fibre optic cable accessory for emission experiments

**ALL prices do NOT include GST**

Ph. (02) 6645 8111

[www.scientrific.com.au](http://www.scientrific.com.au)

Fax (02) 6645 8125

## LAB ESSENTIALS

### LIGHTWEIGHT PLASTIC APRON

A lightweight, re-usable green plastic apron with press-stud ties at the neck and waist. Overall size, excluding ties, is 88cm high by 78cm wide. All edges are hemmed. If the aprons are too long the material can be easily cut.

**SC92012 \$50** per pack of 10 **OR** quantity discount for 5 packs or more just **\$45** per pack of ten



### THERMOMETER - RED ALCOHOL

A -10° to 110° C red spirit filled glass thermometer with 1° graduations and a marked 76mm immersion level. Fitted with a movable, slip-on anti-roll device with 12mm sides. A glass loop is formed in the 'top' end to allow the thermometer to be hung for use or storage. The loop is great for hanging the thermometer from our SC14185 Suspension Clamp.

Overall size 295 x 6mm.

**SC92009 \$30** pack of 10

**SC92010 \$36** pack of 12



### SUSPENSION CLAMP - RETORT STAND

This Suspension Clamp is ideal for suspending thermometers and drying tubes. Made from cast aluminium, the aluminium hook is located 11cm from the support rod and the overall length is 16.5cm. This clamp can be used with retort stand rods that have a diameter of up to 13mm. Ideal for use with our SC92009 thermometer.

**SC14185 \$4.60**



### PERIODIC TABLE OF THE ELEMENTS - ILLUSTRATED

Provides students with a visual reference to reinforce the abstract chemical elements symbols, with a crisp full colour photograph of each element in an everyday application. For elements without readily apparent applications a photo shows the nature and physical state of the element in its pure form, such as a flask of liquid bromine or containers of phosphorous. The radiation symbol identifies radioactive elements. Information includes group and period number, atomic symbol, atomic number and atomic mass. Size: 97 x 64cm.

**2026-08 \$82**



### HAND-HELD ANEMOMETER WITH TRIPOD STAND

A very economic anemometer that measures wind speed from 0.64 to 107.82 km/h. Can also display wind speed as km/h, feet/min, mph, metres/sec or knots, windchill and air temperature. Displays the current, maximum and average wind speed. Has a beaufort scale display. Can be handheld or fixed to the supplied tripod.

Dimensions: 115(H) x 45(W) x 16(D)mm less stand.

**SC5033 \$60**



### KODAK EASYSHARE M1093 DIGITAL CAMERA

Digital Camera brings the latest picture-taking technology right to your fingertips.

This is the camera for you if you need a really easy to use but powerful camera and video camera. With Kodak's innovative Smart Capture feature, it's the take-anywhere camera that does everything automatically and fits in the palm of your hand. With:

\* 10 Mega Pixel

\* 7.6 cm wide-angle viewing LCD

\* HD pictures and video

\* 3X optical zoom with image stabilisation

\* Smart Capture feature

\* Li-Ion rechargeable battery and AC charging adapter included

**KOD1093 \$95 SPECIAL** (limited time and stock)



### SOIL OR WATER QUALITY BACKPACK LABS

The Soil Quality Backpack Lab™ from Hanna provides a complete solution for teachers to introduce students to the importance of water or soil quality and fertility. The components are linked together by an extensive Teacher's Guide, with classroom activities designed to introduce students to each parameter and detailed field-testing procedures. Using the supplied course of study (US Curriculum) teachers are provided with a valuable tool in helping their students understand the importance of water quality in our environment. All chemical kits can be replenished.

**3896BP \$864** Soil Quality Kit, for more information please see [www.scientrific.com.au/product.php?p=494](http://www.scientrific.com.au/product.php?p=494)

This Water Quality Backpack Lab™ from Hanna provides a complete solution for teachers to introduce students to the importance of water or soil quality and fertility. The components are linked together by an extensive Teacher's Guide, with classroom activities designed to introduce students to each parameter and detailed field-testing procedures. Using the supplied course of study (US Curriculum) teachers are provided with a valuable tool in helping their students understand the importance of water quality in our environment. All chemical kits can be replenished.

**3817BP \$861** Water Quality Kit, for more information please see [www.scientrific.com.au/product.php?p=498](http://www.scientrific.com.au/product.php?p=498)



Pictured 3817BP

### LENOVO 4068QM S10E NOTEPAD COMPUTER

The Lenovo S10E is an affordable, lightweight and easily transported netbook computer. If you are looking for a powerful, portable computer for student or business use the IdeaPad S10E is for you. This is almost identical to the computer rolled out in NSW to secondary students. For more information please see [www.scientrific.com.au/product.php?p=7113](http://www.scientrific.com.au/product.php?p=7113)

**S10E \$350 SPECIAL** for a very limited time and stock



### MODEL STIRLING ENGINE AN IDEAL END OF YEAR PRESENTATION PRIZE OR CHRISTMAS GIFT

A Stirling engine works by converting heat into mechanical energy. In this model the external heat source is a small methylated spirits burner - you just need to supply the meths and a match. The German craftsmanship shows in the beautifully engineered design and the use of stainless steel, polished brass and genuine timber base. This model will become an heirloom or science lab favourite.

**SC5420 SPECIAL \$245** for more information please see [www.scientrific.com.au/product.php?p=8478](http://www.scientrific.com.au/product.php?p=8478)



Prices are subject to change

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Prices do NOT include GST

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