



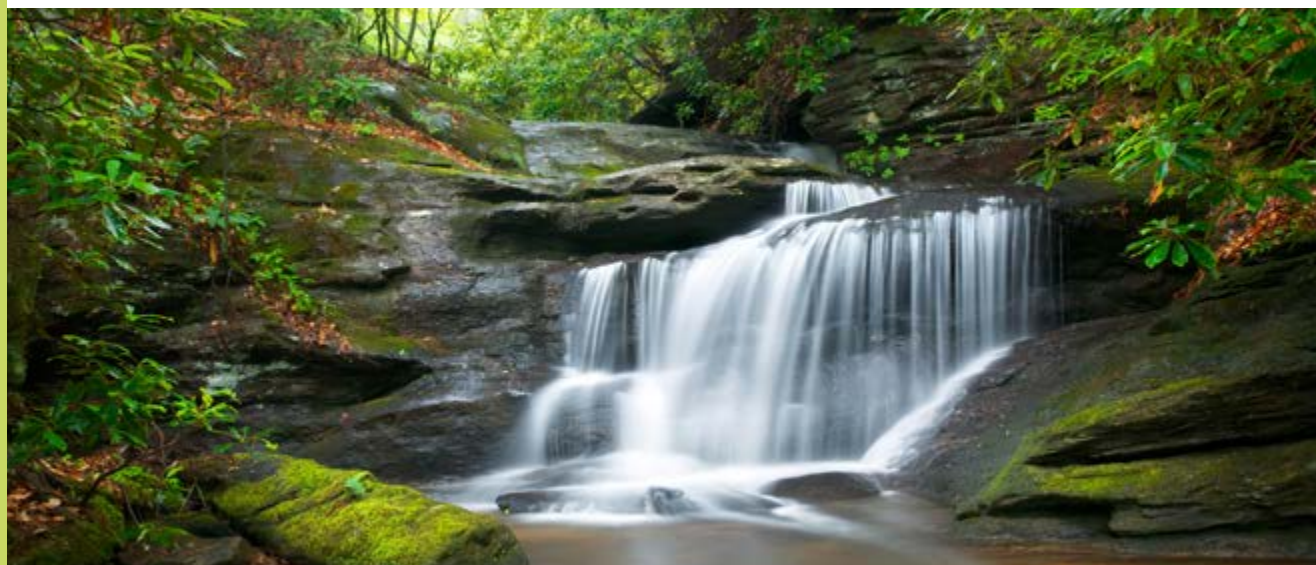
Scientrific®

Science Education Resources



With pull-out section for:
LAB ESSENTIALS,
ELECTRICITY,
MAGNETISM,
NEW

ENVIRONMENT AND WATER QUALITY FEATURE



Water

How to measure water quality **PAGE E2**

Find a great way to measure dissolved oxygen in water **PAGE E3**

Sun

Light
Reflection and Refraction
Diffraction and Interference
Electromagnetic Spectrum
Emission Spectra
Photosynthesis

PAGES E6 - E8

Earth

How to measure
soil moisture

PAGE E2

Air

Measure wind speed
with anemometers

PAGE E2

KEY EXPERIMENTS • Measuring abiotic conditions during field studies:
Temperature, Wind Speed, Soil Moisture, Light

Temperature Measurement – Contact

Vernier Stainless Steel Temperature Sensor.
TMP-BTA ● **\$60**



Vernier Extra Long Stainless Steel Temperature Sensor.
TPL-BTA ● **\$162**



Vernier Surface Temperature Sensor - fast response.
STS-BTA ● **\$47**



Vernier Go Wireless Temperature Sensor.**
GW-TEMP ● **\$154**



Vernier Go!Temp USB Temperature Sensor.
GO-TEMP ● **\$80**



Spirit thermometer -10 to +110°C
Pack of 10.
SC92009 **\$49** **\$30**



Pen type digital all-in-one Stainless Steel Thermometer.
127-1860 **\$19**



Temperature Measurement - Infrared non contact

Vernier Infrared Temperature Sensor, use standalone or with a data logger.
IRT-BTA (●) **\$347**



Infrared thermometer, high range to 1,000°C.
SC5037 **\$162.70**



Infrared thermometer with pistol grip
SC5036N **\$42**



SC5037
Pictured in and out of case

Moisture Measurement - Wood - Soil

Measures moisture in wood and hard materials.
SC2285 **\$32**



Vernier Soil Moisture Sensor.
SMS-BTA ● **\$195**



Wind Speed Measurement – Anemometers

Vernier Anemometer with mounting bar.
ANM-BTA ● **\$183**



Anemometer compact, battery powered with removable mounting tripod and lanyard.
SC5033 **\$60**



Two part anemometer hand held ideal for hard to reach places.
SC5034 **\$85**



Light - Lux and UV Measurement

Vernier Light Sensor.
LS-BTA ● **\$113**



Environment meter and digital Multimeter. Measures humidity, lux, temperature and sound level.
SC5039 **\$89**



Light Lux Meter Digital 50000 Lux with Cover.
SC5015N **\$50**



Spare fuses:
SC5039-10A
SC5039-500mA

Vernier UVA and UVB sensors.
UVA-BTA ● **\$218**
UVB-BTA ● **\$220**



Field Studies: GPS - Light - Sound - Temperature

The Vernier LabQuest 2 is ideal for field studies with built-in:

- GPS Sensor
- 3 Axis Accelerometer
- Light Sensor
- Microphone
- Ambient Temperature Sensor
- Share data wirelessly to iOS & Android devices
- **LABQ2** **\$686**



● Use with a Vernier LabQuest, LabQuest 2, LabQuest Mini, GoLink, SensorDAQ, EasyLink or LabPro.

PRICES SUBJECT TO CHANGE OTHERWISE VALID TO 30-6-2015

KEY EXPERIMENTS • Performing water quality tests during field studies (continued):
Conductivity (TDS), pH, Turbidity, Dissolved Oxygen, Temperature, Nitrates and Phosphates

pH Measurement

Vernier pH Sensor
PH-BTA ● **\$162**



EuTech Waterproof Tester with ATC, ±0.1 pH accuracy.
SC6546 (EC-ECOPHTEST2)
\$110



Vernier Go Wireless pH Sensor
GW-PH ● **\$203**



EuTech Waterproof pH Tester with ATC, ±0.01 accuracy
SC6556 (EC-PHTEST20)
\$185



Vernier Flat pH Sensor Tris Compatible
FPH-BTA ● **\$203**



FPH-BTA tip

EuTech PH Buffers, 10 tablets:
SC6537 \$9.20 pH10
SC6536 \$9.20 pH7
SC6535 \$9.20 pH4



Vernier pH Buffer Capsules
PHB **\$25**

Turbidity Measurement

Vernier Turbidity Sensor
TRB-BTA ● **\$230**



Ortho- and Total Phosphate Measurement

Vernier SpectroVis Plus.
Requires no interface. Use with Logger Pro or FREE Logger Lite when interpolation is not required.
SVIS-PL **\$963**



Vernier Colorimeter.
COL-BTA ● **\$236**



NEW DESIGN

Measuring phosphates is in the Water Quality with Vernier Manual.
WQV **\$99**

pH and Conductivity Measurement

Vernier Conductivity Sensor.
CON-BTA ● **\$195**



Hanna Conductivity and TDS.
HI98312 (DIST6) **\$196**
EC 0-20mS/cm TDS 0-10ppt

HI98311 (DIST5) **\$196**
EC 0-3999µS/cm TDS 0 - 2,000ppm



Conductivity (TDS) Measurement

EuTech Waterproof pH, Conductivity, TDS/Salinity, Temp Tester with auto temperature compensation.
SC6559 **\$250**



TDS and Conductivity Calibration Solutions.

SC6545 \$37 TDS 1000ppm
SC6538 \$23 Cond. 1,413µS
SC6539 \$23 Cond. 2,764µS
SC6540 \$23 Cond. 12.88mS



Salinity Measurement

Vernier Salinity Sensor.
Measure the total dissolved salt content in ocean or brackish water.

SAL-BTA ● **\$203**



Also see the EuTech Tester above under conductivity.

SC6559 **\$250**

Dissolved Oxygen Measurement

Vernier Dissolved Oxygen Sensor.
NO filling solution NO warm up
NO calibration NO stirring
QUICK: 90% reading in 40 secs.
ODO-BTA ● **\$798**

The EASY way to measure Dissolved Oxygen



Hanna Dissolved Oxygen Kit.
HI3810 **\$128**



● Use with a Vernier LabQuest, LabQuest 2, LabQuest Mini, Go!Link, SensorDAQ, EasyLink or LabPro.

PRICES SUBJECT TO CHANGE OTHERWISE VALID TO 30-6-2015

KEY EXPERIMENTS • Performing water quality tests during field studies (continued):
Conductivity (TDS), pH, Turbidity, Dissolved Oxygen, Temperature, Nitrates and Phosphates

Temperature Measurement

See Page E2 for all temperature sensors and thermometers.



Nitrate Measurement

Hanna Nitrate Test Kit comes with 100 packets of nitrate reagent, glass cuvette and colour comparison cube.

HI3874 \$72



BackPack Lab Water Quality includes Secchi Disk

Backpack, pH & TDS meters. Set of 10 lab and field activities.

Included test kits: Acidity, alkalinity, carbon dioxide, dissolved oxygen, hardness, nitrate, phosphate.

3817BP \$711

Also available Soil Quality Kit **3896BP \$714**



Water Depth Measurement

The Vernier Water Depth Sampler allows the collection of water samples from any desired depth up to 15 metres.

WDS \$162



Nitrate and ION Selective Electrodes (ISE)

Vernier Nitrate tester, 0.1 to 14,000 mg/L or ppm
NO3-BTA \$367

Similar sensors:
Ammonium 0.1 -18,000 mg/L or ppm
NH4-BTA \$367

Calcium 0.2 - 40,000 mg/L or ppm
CA-BTA \$367

Chloride 1.8 - 35,000 mg/L or ppm
CL-BTA \$367

Potassium 90 - 39,000 mg/L or ppm
K-BTA \$367

Note: These sensors require extra skill and care



Phosphate Measurement

Hanna Phosphate Water Test kit comes with 20mL plastic beaker, colour comparison cube and 50 packets phosphate reagent.

HI3833 \$36



Flow Rate Measurement

The Vernier The Flow Rate Sensor allows you to easily measure river velocity.

FLO-BTA \$265



KEY EXPERIMENTS • Cell Photosynthesis and Respiration, Photosynthesis and Light Investigations

O₂ Measurement

Vernier Oxygen Sensor. Pictured in-use on right.
O2-BTA \$386



CO₂ Measurement

Vernier Carbon Dioxide Sensor. Pictured in-use on right.
CO2-BTA \$511



Creating an Experimental Environment

Vernier BioChamber 2 litre
BC-2000 \$39



Sensors not included

Vernier BioChamber 250ml
BC-250 \$12



Light and Lux Measurement: See Page E2

• Use with a Vernier LabQuest, LabQuest 2, LabQuest Mini, Go!Link, SensorDAQ, EasyLink or LabPro.

PRICES SUBJECT TO CHANGE OTHERWISE VALID TO 30-6-2015

KEY EXPERIMENTS • Cell Photosynthesis and Respiration, Photosynthesis and Light Investigations (continued):

Measuring Photosynthetically Active Radiation PAR

WHAT'S PHOTOSYNTHETICALLY ACTIVE RADIATION?

Photosynthetically Active Radiation or PAR are the wavelengths (400-700nm) that plants, including aquatic plants, require for photosynthesis.

The Vernier PAR Sensor measures PAR levels in both air and water and also measures Photosynthetic Photon Flux Density (PPFD) from both sunlight and electric lights.



Problem: Need to measure photosynthetic light penetration at different depths in an aquarium?

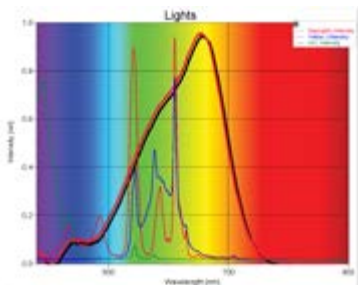
Solution: The PAR sensor can be immersed in the aquarium (or stream) to measure the changes in light levels at different depths.

PAR-BTA ● **\$388**

Analysing Light Sources for Photosynthesis

Vernier SpectroVis Plus.
Requires no interface. Use with Logger Pro or FREE Logger Lite when interpolation is not required.

SVIS-PL ● **\$963**



Vernier SpectroVis Optical Fiber.
An optical fibre guide for use with the Vernier SpectroVis Plus to examine the emission spectra of light sources.

SVIS-FIBER ● **\$142**



A combination of the SpectroVis Plus, Vernier Optical Fiber, CO₂* sensor, O₂* sensor, BioChamber 2000* and different light sources is ideal for extended experimental investigations in Senior Science. * See page E4.

The Vernier PAR sensor (above) can be used as an alternative to the SpectroVis Plus and Vernier Optical Fiber but it is less versatile.

Humidity Measurement

Vernier Relative Humidity Sensor
RH-BTA ● **\$142**



Displays ambient temperature and humidity together on the huge LCD display.

SC5010 ● **\$22**



Wet and Dry Bulb Thermometer and Hygrometer
SC13747 ● **\$11**



Environment Meter measures RH (see page E2).
SC5039 ● **\$89**



Environment - Weather Station

Wireless Weather Station with an unbeatable range of features to keep you informed about current and future atmospheric activity.

Measurements include:
Temperature Wind Speed
Humidity Wind Chill
Rainfall Wind Direction
Barometric Pressure
Plus many more.

SC5169N ● **\$149** ● **\$122**



Vernier Manuals - Environment and Water

Investigating Environmental Science through Inquiry. 34 inquiry-based, environmental science investigations.
ESI ● **\$99**



Water Quality with Vernier. 16 water quality tests including pH, total dissolved solids, dissolved oxygen, BOD, flow rate, turbidity, nitrates and phosphates.
WQV ● **\$99**



Vernier Pyranometer

Measure the power of infrared, visible and UV radiation. Also use for checking efficiency of solar panels.
PYR-BTA ● **\$408**




● Use with a Vernier LabQuest, LabQuest 2, LabQuest Mini, Go!Link, SensorDAQ, EasyLink or LabPro.

PRICES SUBJECT TO CHANGE OTHERWISE VALID TO 30-6-2015

PRICES VALID FOR CURRENT STOCK ONLY!
Falling dollar value = price increases on future stock


Lab Essentials - Electricity

Cables with Alligator Clip
60cm Pack of 10




SC15157 \$16 black
SC15160 \$16 red

Alligator Clips
Pack of 10



SC15127 \$4 plain
SC15130 \$4 red
SC15133 \$4 black

Banana Plugs
Pack of 10



SC15142 \$4 red
SC15145 \$4 black

Cables with Banana Plugs
60cm Pack of 10



SC15172 \$16 black
SC15175 \$16 red

Ammeter and Voltmeter
DC



SC13150 \$35 0.1, 1, 10, 50V
and 100µA, 100mA, 1A, 5A

Galvanometer - Microammeter
DC



SC13141 \$15 500 - 0 - 500µA
SC13144 \$15 50 - 0-50µA


Voltmeters
DC



* 15V rating prevents most damage from 12 volt supplies

SC13078 \$15 0 - 3/15/30V
SC13079 \$15 0 - 3/10/15V
SC13093 \$15 0 to 15V*

Ammeters
DC



SC13096 \$22 0 - 50 - 500mA
SC13099 \$15 0 - 1 - 5 A
SC13108 \$15 0 - 5A

IEC Electricity Kits



SAVE

EM1763-010 \$1273 \$1241
EM1763-020 \$1140 \$1112

IEC Induction Kit



SAVE

EM1973-001 \$165 \$161 or
\$148 each for 5 or more

IEC Lampholder



SAVE

HL2013-101 \$25 \$24.40 or
\$22.50 each for 10 or more


IEC Electric Motor Kit -
Hodson Self Build Pack of 2



SAVE

EM2193-201 \$30 \$29.30 or
\$27 each for 5 or more

LEDs with 200mm Cable
Pack of 10



NEW

SC33001 \$6 Red
SC33002 \$6 Green
SC33003 \$6 Blue

Light Bulbs MES 12 Volt
Pack of 25




VALUE

SC92110 \$16 12V 250mA
SC92115 \$16 12V 500mA

Note: glass shape varies

MES Lampholder Base
Pack of 10



SAVE

SC92005 \$12 \$6 PACK 10


Light Bulbs MES 2- 6 volt
Pack of 25



VALUE

SC92090 \$16 1.5V 300mA
SC92095 \$16 3.8V 300mA
SC92100 \$16 6V 500mA

KidWind Simple Hand Generator Kit




KWA0051 \$31.40
Build a simple generator or motor

Electric Motor - Generator



SAVE
SC9015 \$20 or **\$18** each 10+
Use 2 as a motor - generator set

Hydro-Electric Generator



SCHEG \$345 Generates 12 volts, 450mA

Electric Motor Kit



SC5756 \$17 Build a simple 6 volt DC motor.

Faraday Torch - Shaky Torch




SC92029 \$10
Shake and charge battery

Dynamo Torch



SC92018 \$8
Hand cranked LED torch

Motor with 150mm Cables Pack of 5




PACK OF 5
SC33021 \$8.50 \$7.50
3V, 25mA suit solar cell or battery

Plastic Fan Suit 2mm shafts




PACK OF 10
SC33011 \$9 1.9mm bore
Use with a motor or generator

Solar Panel Aluminium Frame



SAVE
SC0036 \$74 \$56.80
12V 500mA, 185x285mm

Compasses



SC13927 \$9.60 oil filled
SC13930 \$10.80 pack of 6

IEC Resistance Box



EM2710-001 \$78.00 7 resistors
EM2710-002 \$87.80 8 resistors

IEC Power Supply



SAVE Cables supplied only with LB2629C
LB2629-001 \$150 \$105
LB2629C \$460 \$115

Magnetic Field Plate



INNOVATIVE
SC7192 \$14 100x75mm
Two pictured clipped together

3D Magnetic Field Demo



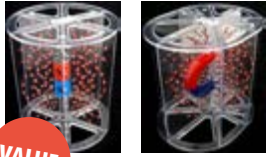
SC13999 \$67
With Horse Shoe & Bar Magnets

Electromagnetic Field Demonstrator - 3 pieces



SC13996 \$70
Requires no more than 4-6V DC

Magnetic Field Demonstrator



VALUE
SC14000 \$79 \$69 205mm high with magnets

Alnico Magnets - Australian



VALUE
SC6030 \$11 Bar magnets
SC6031 \$13 Horseshoe

Super Magnets Neodymium 19 dia. x 28.2mm



VALUE
SC5881 \$17 pair unsleeved
SC5882 \$23 pair sleeved

Super Magnets Neodymium 22 dia. x 10mm



Unsleeved Sleeved
SC4400N \$10 each unsleeved
SC4401N \$13 each sleeved

IEC Electromagnet



EM1820-001 \$54 \$52.70
Requires up to 12 Volts DC


Adam Balance
600g x 0.1g



SAVE \$40

SC92601 \$245 \$175
or **\$165** each for 3+

Stainless Steel Trolley



SC9035 \$290 easy to wipe shelves, 985Hx850Lx455W mm

Deioniser - a very popular item



GREAT VALUE

SC93010 \$395
Economic alternative to a still

Adam balance
200g x 0.1g



GREAT VALUE

DCT201 \$95 \$68
or **\$63** each for 12+


Power Supply
REGULATED Filtered DC



SAVE \$34

225-1946 \$413 \$79
The SOLUTION to overloads

Stopwatches



SC13795

SAVE

SC13795 \$6.20
SC7060 \$25 \$22, 10+ \$20 ea

Safety Glasses
Vinyl Hanging Storage Solution



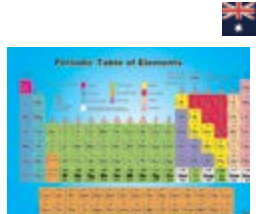
SC4955

SC2050

SC9010 STORAGE \$20

SC4955 \$3.80, 12+ \$3.50 ea.
SC2050 \$4.95, 12+ \$4.40 ea.

Periodic Table of Elements



PT-CARD \$44 \$9 A4 cardboard
PT-STK \$44 \$9 A5 stick-on

Apron - Plastic Reusable (10)



PACK OF 10

SC92012 \$50
or 10 or more **\$45** per pack

Lab Coats - Poly Cotton



SC4981 \$25
Website has size & order codes

Latex Gloves 3 Sizes
Stainless Steel Dispenser



SC4965 \$37 Dispenser

PACK OF 100

SC4966S, SC4967M
or **SC4968L \$40 \$7.80** each

Gloves -Vinyl
4 sizes



PACK OF 100

SC4956S, SC4956M, SC4956L
or **SC4956XL \$6 \$5.30** each

Retort and Burette Clamps



SC92007 \$7 Retort Clamp
SC14161 \$8.60 Burette Clamp

Petri Dish - Carton of 500




With **FREE** test tube rack

SAVE \$18

LW2468-01 \$417 \$99
500, 90mm plastic Petri Dish


Stainless Steel Tripod and
S/S Mesh Mats



SAFE

SC92000 \$10 tripod only
SC92002 \$14 fine mesh, pack 5
SC92002C \$12 coarse, pack 5

Spring Balances



ALL \$5 EA.

SC13564 2.5N **SC13573 20N**
SC13567 5N **SC13576 30N**
SC13570 10N **SC13579 50N**

Test Tube and Burette Brushes



PACKS OF 10

SC14452 \$8 20x50x190mm
SC14458 \$12 35x75x260mm
SC14461 \$14 35X80X300mm

Test Tube Holders



SC14290

SC14296

PACK OF 10

SC14290 \$12 **SC14296 \$49**
SC14284 \$10


Litmus Test Paper



PACK OF 100

SC14263 \$1.40 Blue
SC14269 \$1.40 Red

Bosshard Heavy Duty



QUALITY

SC14137 \$5.50
German designed durable

3D Desktop Printer



Made in the UK. Selected by us for its suitability in education.

- Up to 20 micron accuracy
- Dual nozzles for greater print speed
- Print pause and resume
- Auto levelling of the build platform

RBX-1 \$1405

Filament Reels:

Black, Blue, Green, Grey, Orange, Pink, Purple, Yellow, Red, White

ABS Plastic \$37.20 PLA Plastic \$41.75 each

Contents:

- Robox 3D printer
- Two SmartReel™ Filament Reels
- AutoMaker™ software, easy to use **FREE** software
- Everything you need to get printing straight out of the box

Monocular Microscope with LED lighting

A sturdy student microscope with extra safe 6 volt LED variable brightness lighting.

Features:

- 45° inclined 360° rotatable head
- Wide-field 10 times eyepiece
- 4x, 10x and 40x objectives
- Adjustable LED lighting
- Battery or mains powered

MMLLED \$250 while stock lasts



Be quick—we only have 30 microscopes at this price. New stock will cost \$283.

ProScope Micro Mobile for iOS Devices and Galaxy S4

Turn your **iPhone 4 or 5, iPad, iPad Mini or iPod Touch** into a powerful microscope. Details on website.

- PMM-IP5K** for iPhone 5
 - PMM-IP4K** for iPhone 4/4S
 - PMM-IPT4K** for iPod Touch
 - PMM-IPADK** for iPad 2/3/4
 - PMM-IPMINIK** for iPad Mini
 - PMM-GLXYS4K** for Galaxy S4
- \$242 \$215**



PMM-IP4K
iPhone 4 not included

Biological Microscopes



Top of the range binocular or trinocular microscopes with:

- High quality optics for outstanding resolution and definition
- Variable LED lighting
- Achromatic objectives
- The B204T (pictured) has achromatic, plan objectives to have 95% (rather than the normal 60%) of the field of view in focus

MB2000 \$510 Binocular

MT2000 \$615 Trinocular, camera kit available, not included

B204T-5 \$1329 \$1279 Trinocular with 5MP camera (limited stock)

Features:

- WF10x 20mm eyepieces
- 4, 10, 40, 100x objectives
- Adjustable 3W LED lighting
- Co-axial course & fine focus
- Co-axial mechanical stage
- Stage specimen holder
- 1.25 Abbe Condenser
- Adjustable iris diaphragm

Stereo Microscope with LED lighting

Stereo microscope with safe 6 volt variable brightness LED lighting. Ideal for field studies when run off batteries for up to 10 hours.

Features:

- 10x wide field eyepieces
- 2x and 4x objectives
- Slip clutch focusing
- Rechargeable NiMH batteries
- Mains power adaptor
- Run off batteries (up to 10 hours)

MS24LED \$325 or

\$315 each for 6 plus



MicroVue USB3.0 Digital Microscope

8 MP microscope with software to capture images and videos of 3D specimens up to 300x magnification. Fast USB3 for quicker download and better video quality.

Includes:

- Stand
 - Light diffuser
 - Software - Windows 7/8
- SC3110 \$185 \$165**



Also see: **SC5135**
from **\$99** each for 10 or more



KEY EXPERIMENTS • Reflection, refraction and diffraction of light waves

Reflection and Diffraction Apparatus

Hodson Light Box Complete.
HI2060-001 \$111 \$92



Hodson Light Box, Collimating Lens and Slit formers only.
HI2060-020 \$51 \$49.80

IEC LaserView Kit, 6 Lenses and 2 bars in a plastic case. Ideal for viewing laser paths.
HL1985-001 \$130 \$127



IEC Diffraction Kit, complete with Slits and Formers.
HL1670-001 \$40 \$39



Magic Optic Rock.
Small pieces of ulexite with parallel crystals. Limited stock.
IF-C-FOR \$6.50



IEC Diffraction Gratings.
Slide card mounted.
HL1692-001 \$7.50 500 line/mm
HL1694-001 \$7.50 1000 line



Diffraction Grating 3 in 1.
100, 300 and 600 line per mm.
SC13219 \$20 Asian Source
SC3620 \$36 UK made (pictured)



UK Laser Diffraction Kits.
Slits and gratings in slide frames.
SC3651 \$128 9 slides
SC3652 \$270 18 slides



Vernier Optics Expansion Kit.
Converts a Vernier Dynamics System into an Optical Bench.
OEK \$357



OEK and CM-OEK

Vernier Colour Mixer Kit.
An add-on for the OEK.
CM-OEK \$318

Vernier Diffraction Apparatus.
An add-on for the OEK.
DAK \$1137



Reflection, Diffraction and the MiniLab II

The first two products below have been designed by the ANU and are only available from Scientrific.



MiniLab II
Has 3 built-in lasers. Use for experiments in:

- refraction and reflection
- emission and absorption spectroscopy
- optical communication
- inverse square law and much more

MINILAB II \$1195



Red and Green Diffraction Lasers.
Red and green lasers allow simultaneous analysis of:

- diffraction patterns
- calculation of wavelengths
- calculation of particle and pinhole sizes.

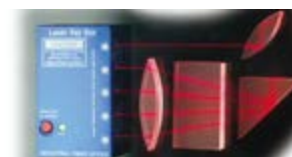
SC16000 \$295



Index of Refraction Block
Specially formulated acrylic to show light path WITHIN the block.
IF-410226 \$16.50



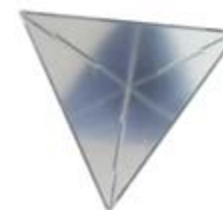
Laser Ray Box in plastic case.
Five beams ideal for use with IEC LaserView Kit, IF-410226 or IF-551.
IF-583 \$375 price increase imminent



IF-583 and IF-551

Lens Set Special Acrylic Formulation.
IF-551 \$85 price increase imminent

IEC Three Cornered Mirror.
120mm sides, always reflect incident ray back to the source regardless of angle.
HL2170-001 \$15.00



Light Reflection and Refraction Posters, set of 7, laminated paper unless noted.

PLA-SET-A4 \$42
PLA-SET-A3 \$73.50
PLA-SET-A2 \$136.50
PLA-SET-A1 \$238
PLA-SET-A1V \$420 vinyl





KEY EXPERIMENTS • Performing spectral analysis of a light source

Spectroscopes and Spectrometer

Spectroscope Direct Vision no scale, low cost. Variable focus.
SC13387 \$30



IEC Spectroscope with wavelength scale.
HL3791-001 \$31.20



Spectroscope - Direct Vision. Very bright spectrum. No scale. Variable focus. Made in UK.
SC3650 \$109.50



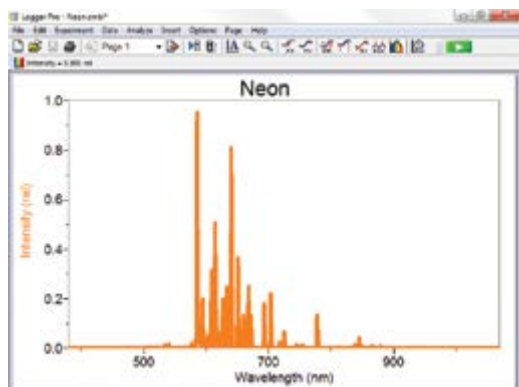
IEC Flame Emission Spectrometer. With filter, software, light sensor. Ideal for atomic absorption experiments.
CH3792-001 \$1463



Newton's Colour Wheel. A basic demonstrator of the wavelengths found in 'white'.
SC13957 \$69



Vernier Emissions Spectrometer. Collect emission spectra from light bulbs, gas discharge tubes or the sun. Covers 350 - 900nm.
VSP-EM \$1640
VSP-EM-FIBER \$181



Logger Pro Screenshot of Neon Spectrum

Light Sources for Spectral Analysis

Vernier Spectrum Tube Power Supplies. Tubes are not included.
ST-CAR \$620 Holds 8 tubes
ST-SPS \$491 Single Tube



Spectral tubes to suit:
ST-AIR Air
ST-AR Argon
ST-CO2 Carbon Dioxide
ST-HE Helium
ST-H Hydrogen
ST-NE Neon
ST-N Nitrogen
ALL \$76 each



IEC Spectrum Tube Power Supply. Tubes not included.
HL3785-001 \$287



Tubes to suit:
HL3784-001 \$166
Set Argon, Helium, Hydrogen, Mercury, Neon, Nitrogen

Mercury Spectral Lamp. A top of the range spectral light source.
SC3401 \$345 limited stock



Ultra Violet Lights. Fluorescent mains powered tube.
SC5287 \$15



UV Beads to verify UV output.
SC1093 \$10



Ultra Violet Lamp and white LED lantern. Battery powered.
SC92015 \$15
SC92015B \$18 with batteries



White Light LED Torch
SC92025 \$5
SC92025B \$7 with batteries



Colour Mixer. Sciencéthic LED Spotlight Kit. Bright red, green and blue LED lights with parallel beams for colour mixing experiments.
004 044 \$406.10 limited stock

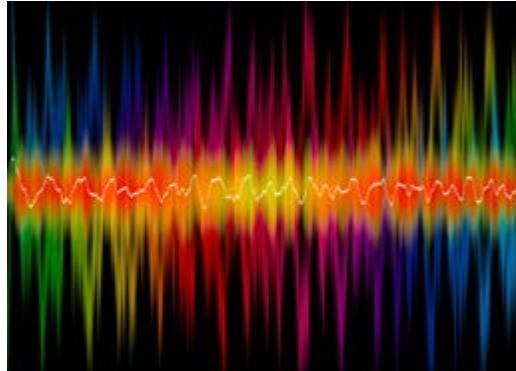




2015 International Year of Light



On 20 December 2013, the UN General Assembly proclaimed 2015 as the **International Year of Light**, highlighting the importance of light and optical technologies for the development of society.



Optical Lenses and Bars



\$99
IF-547

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HL1985-001



Spectroscopes



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SC3650

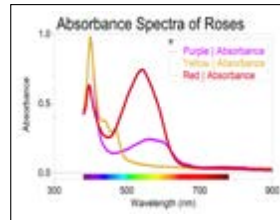


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SVIS-PL



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HL3791-001

Absorbance Spectra with SpectroVis Plus



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SVIS-PL

Diffraction and Interference



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SC16000



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SC3620

Newton's Colour Disk



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SC13957

Lasers



\$330
IF-MI-268



\$620
IF-HN08MCLEAR

Colour Mixer



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004 044

Light/Lux Meters



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SC5015N



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LS-BTA



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SC5039

Versalume and UV Beads



\$135
SC6120

PAGE E7
SC1093



Hodson Light Box



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Magnifying Glass 100mm



2103197
~~\$7~~ \$6

MiniLab II



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MINILAB II