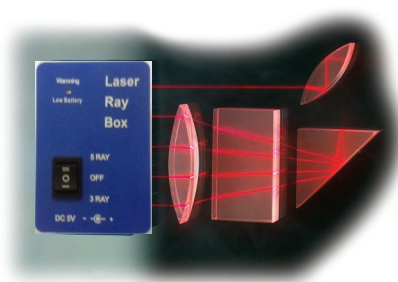




LASER RAY BOX - 1112060



The **Laser Ray Box** uses 5 laser diodes to produce either five or three clear beams of parallel light to allow experiments with various refractive, deflective or reflective equipment such as lenses prisms and mirrors.

Selection of the number of beams required is by setting the three position switch located on the front panel from off (central position "O") to either 1 bar (3 beams) or 2 bars (5 beams). A comprehensive set of lenses prisms and mirrors is available separately as an accessory set our catalogue number 1035168.

The beams are 1.5cm apart with a wavelength of 650nm and the base is fitted with special high strength permanent magnets to allow attachment to a vertical metal surface thereby making the Laser Ray Box more practical.

The unit is powered by a special Nickel Cadmium battery which can be recharged using the special lead which fits into a socket on the side of the ray box and the other USB end into any computer. A low battery warning light is fitted onto the front panel and a recharge lamp adjacent to the charging socket.

PLEASE NOTE CAREFULLY

The laser ray box employs laser diodes so that a calibrated monochromatic beam is available however, these diodes have sufficient power output to cause retinal or other damage to the eyes if viewed continuously. Their output is however, low enough to allow the natural aversion processes responses such as blinking etc.

SET UP and OPERATION

1. Ensure the unit is fully charged by attaching and connecting the cord supplied to any USB outlet on a computer
2. When charged lay the unit onto any clean light coloured surface (preferably white) and select either the 3 beam mode or the 5 beam mode as outlined above.
3. Lower the ambient levels as much as possible and the parallel beams 3 or 5 will be clearly visible.
4. Use any light box accessories or items from the separate accessory kit (as above) to perform diffraction, refraction, deflection or reflection experiments as desired

The range of experiments are quite extensive with which this units can be employed and should be readily available however should you need further information please contact us at contact_us@serrata.com.au



LASER RAY BOX - 1112060