

## 1. Boyle's Law Horizontal Mount

A horizontally mounted acrylic tube having a graduated scale (0–300cm<sup>3</sup>) along one side. A gas tap closes the tube. Pressure gauge is present next to gas tap. By changing the position of rubber stopper, the effective length of the tube can be selected. The scale measures volume and pressure by means of pressure gauge. Boyle's law is investigated by changing position of the stopper.

Code	Pack	Price
SEP4385	Each	£70.44

## 2. Lascells Digital Boyle's Law Apparatus

The digital Boyle's law apparatus provides a self-contained, reliable and simple way of demonstrating Boyle's law. The volume may be reduced or increased by means of a 2.5mL syringe connected to a digital pressure sensor. The sensor output is calibrated to display the pressure in kPa on the easy to read LCD screen. There is a measurable change in pressure for every 0.1mL change in volume, allowing many data points to be taken and a graph plotted to confirm Boyle's law. For demonstration purposes two 4mm sockets are provided, allowing the pressure reading to be displayed on a large demonstration voltmeter (not supplied). A length of tubing is also provided to allow a larger syringe to be used if necessary. Dimensions: 130 × 100 × 60mm, weight: 0.7kg.

Code	Pack	Price
PY3060	Each	£112.00

## 3. Boyle's Law Apparatus

This new improved Boyle's law apparatus is ideally suited to demonstrate Boyle's law. The unit uses water instead of the traditional oil which makes the experiment less messy. Water is gradually pumped from a reservoir into a tube containing air. Whilst the volume of air is read from the graduated tube, pressure is measured by a Bourdon gauge. The glass tube is calibrated and has graduations from 0–55cm. The tube is extra strong and additionally protected by a plastic safety screen. Bourdon gauge is fitted with a transparent plastic back to allow students to see its working parts. Supplied with pump.

Code	Pack	Price
★ EDU722	Each	£126.58

## 4. Boyle's Law Simple Form

Simple apparatus for demonstration of Boyle's law, graduated plastic syringe mounted on wooden block and lubricated piston of the syringe mounted on another platform. Different weights can be stacked on the top and measurement of pressure volume made.

Code	Pack	Price
PHY1010	Each	£9.69

## 5. Boyle's Law Oil

Code	Pack	Price
A41750	250mL	£11.97

## 6. Boyle's Law Indicator

This simple low-cost apparatus provides a means of demonstrating Boyle's law. It is not 100% accurate but is adequate for demonstrations giving students literally a 'feel' for increase in pressure against volume.

Code	Pack	Price
SEPACBL1	Each	£13.52

