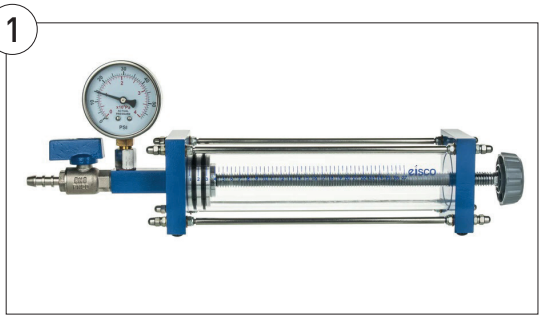
1

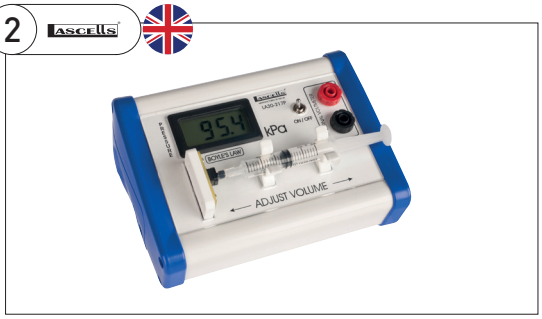


1. Boyle's Law Demonstration

Consists of acrylic tube graduated from 0 to 300cm mounted horizontally. The tube is sealed with a gas tap with standard pressure gauge. By adjusting the position of the rubber stopper with a screw thread the effective length of the tube can be adjusted, by varying the position of the stopper Boyle's law can be investigated. Does not require any oil.

Code	Pack	Price
PHY1146	Each	£72.99

2 LASCELLS



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	£124.94

3 ★



PREMIUM

3. Boyle's Law Apparatus

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	£122.44

4



ECONOMY

4. Boyle's Law Simple Form

Simple apparatus for demonstration of Boyle's law, graduated plastic syringe mounted on wooden block, and the 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	£8.44

5



5. Boyle's Law Oil

Code	Pack	Price
A41750	250mL	£13.48