CHARLES' LAW APPARATUS
A narrow uniform bore tube closed at one end carries a bead of mercury, thus entrapping a small volume of air. The tube with a thermometer attached to it, is surrounded by a steam jacket and mounted horizontally on a base. Approx. overall size: 600 x 100 x 80mm.

P20-4010 Charles' Law Apparatus

P20-4010

CHARLES' LAW APPARATUS
Volume of air entrapped by a bead of mercury in a capillary tube. The tube, 400mm long is attached to a 0.5m scale.

P20-4200 Charles' Law Apparatus

P20-4200

Cp/Cv APPARATUS
Comprises a precision glass tube 500mm length x 19mm i.d. x 14mm bore, a light-alloy piston attached to a magnet, an assembly containing a co-axial, annular ceramic magnet, and pairs of solid and single-hole rubber bungs. This apparatus enables experiments combining principles of resonance and simple kinetic theory to provide an interesting means of measuring Cp/Cv of air and other gases.

P20-5000 Cp/Cv Apparatus

Accessories
Signal Generator - see ***P83-2010***
Digital Timer Scaler and Frequency Meter - see ***P73-1500***

P20-5000

AIR THERMOMETER, CONSTANT VOLUME
Comprises an air thermometer bulb connected to a mercury tube with reservoir. Complete with wood stand with 1000mm boxwood scale mounted on a stable base. The air bulb and mercury reservoir are held in supports which clamp along two plated metal rods. Overall size: 1050 x 210 x 190mm. Without mercury.

P20-5600 Air Thermometer, constant volume

P20-5600