

**STUDY THE VARIATION IN VOLUME (V) WITH PRESSURE (P) FOR A SAMPLE OF AIR AT CONSTANT TEMPERATURE BY BOYLE'S LAW  
OMEGA TYPE ES-430**



**OMEGA TYPE ES-430** Experimental Set Up has been designed specifically to study the variation in volume (V) with pressure (P) for a sample of air at constant temperature by Boyle's law by plotting graphs between P and V and between P and 1/V.

The set-up is absolutely self-contained and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

**OBJECT:-** Study the variation in volume (V) with pressure (P) for a sample of air at constant temperature by Boyle's law by plotting graphs between P and V and between P and 1/V.

**FEATURES**

- 01 **Boyle's law apparatus:-** Comprising two glass tubes, one closed at the top and other tube open. Their lower ends are drawn out and connected together by 1 meter of rubber tubing. Both tubes are mounted on sliding brackets which may be locked in any position on the metal supporting rods.
- 02 Vernier Calliper : Steel, Chromium plated, one side graduated in inches (5") & the other in cms (12 cms.) with adjusting wheel and depth gauge.
- 03 Thermometer 0° to 110°C.
- 04 Spirit Level: 5 cm brass length.
- 05 Funnel 4"
- 06 Beaker 100 ml
- 07 Rubber Tube 640 mm(Lavel Tube)
- 08 Weight : 4 Kg. (Approx.)
- 09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**OTHER APPARATUS REQUIRE**

- 01 Mercury 400 gm

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

**OMEGA ELECTRONICS**