Baroscope 1003169

1. Safety instructions
- Check the vacuum bell jar for damage before conducting the experiment. Defective vacuum bell jars can result in implosions.

2. Description
The baroscope is used to demonstrate the effect of buoyancy on an object in air. The baroscope consists of a balance beam mounted on a metal base on whose cross balance beam a styrofoam sphere is suspended from an eyelet. At the other end of the balance beam there an adjustable counterweight to establish equilibrium.

3. Technical data
- Styrofoam sphere: 50 mm Ø
- Base: 120 mm x 90 mm
- Height: 125 mm

4. Operation
- Additionally required:
  - 1 Chamber e.g. Vacuum Experiment Plate 1003166
  - Vacuum Bell Jar 1020809
  - 1 Vacuum pump e.g. Rotary-Vane Vacuum Pump, One-Stage 1012855
  - 1 Vacuum hose e.g. Vacuum Hose, 8 mm 1002619
- Place the baroscope on a vacuum experiment plate.
- Adjust the balance beam so that it is in a state of equilibrium under atmospheric pressure.
- Cover it with the vacuum bell jar and evacuate the chamber.
- Styrofoam sphere falls due to the drop in air buoyancy.