



MANOMETER - demonstration

Cat: MF2095-001 +/- 200mm from centre

DESCRIPTION:

The 'IEC' **Demonstration Manometer** is a high quality instrument designed to demonstrate the fundamentals of any manometer. It is constructed inside a strong alloy housing.

The unit is complete with wall hanging ring and a mouth blow tube for pressurising one leg of the 'U' tube. The user may fill the 'U' tube with coloured water (water with a food dye) so that the water level is more easily seen.

MF2095-001 manometer



Physical size: 560x100x38mm LxWxTh

Weight: 0.7 kg

**COMPONENTS LIST:**

- 1 pce. Manometer, in aluminium housing with plastic front. Length of 'U' tube is 400mm with graduations up to 200mm on either side of a zero mark positioned half way up the manometer. Large clear tube for easy observation by the class of pupils.
- 1 pce. Blow tube for pushing over the 'fitting' and for blowing with the mouth or for placing into an air stream for measurement of very small pressures..
- 1 pce. Metal fitting to be pushed into one leg of the 'U' tube to accept the blow tube.

OPERATION:

If plain water is not sufficiently visible for the demonstration, mix a food dye into the water to create a suitable colour.

Take the short length of blowing tube and push it over the small hose tail fitted to the top of the right hand leg of the Manometer. Allow it to hang down beside the manometer.

Pour exactly enough water into the open end of the left hand leg of the 'U' tube so that the water levels in both legs are on the zero line half way up the 'U' tube.

Hang the Manometer on a hook or nail in the wall so that it hangs vertically.

Blow or suck gently into the blowing tube and observe the change in the water levels in both legs of the 'U' tube. Note that the difference in the height of the levels is proportional to the difference in pressures over the water in each leg.

Designed and manufactured in Australia