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### **Product Name :** Fluid Science Manometer Inclined

## Product Code : CHINAELABC3710003



### **Description :**

Fluid Science Manometer Inclined

### **Technical Specification :**

The Fluid range is an innovative suite of products designed to enable students to gain an understanding of the fundamentals of Fluid Mechanics and Thermo Fluids by the process of learning via hands-onexperimentation.

The high precision elements are supplied as modulartray-based systems which operate in conjunction with the Fluid Science serviceunit, multifunctional work panel and instrumentation enabling the student toconduct their own individual or group experiments.

The experiments are supplied with a highly visualuser-friendly operational guide, allowing the students to understand the theory of the subject by the application of practical experimentation.

The Fluid Science Inclined Manometer tray includes experiments to measure small pressure differences and the effect of change inmanometer inclination.

The tray additionally includes a stepped manometer that incorporates changes in cross section to demonstrate that the level of afree surface is not affected by the size or the shape of the tube.

Technical Specifications: Screen printed scale for measuring water height in manometer tubes Tube structure acrylic Plain vertical tube and inclined tube: 6mm ID Stepped tube goes: 6mm ID to 14mm ID to 6mm ID Angle of inclination: 15° from vertical. Features And Benefits Features Fully mobile solution Each service unit can be used as either a hot orcold-water supply Quick connect couplings for easy connection to experiment modules, self-sealing on supply unit to minimise water loss Digital manometer and thermometer provided withservice unit Low voltage within the supply unit to protect users Benefits Applied student learning via experimentation

Common service unit can be used for either hot orcold-water supply Toolless assembly Designed to be highly visual and simple to use Quick setup Suitable for both classroom, laboratory and mobileenvironments



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