

**Product Name :**  
Fluid Properties Study Bench

**Product Code :**  
NLAB-EDUCATIONTVET14004



**Description :**

Fluid Properties Study Bench

**Technical Specification :**

Bench intended for the introduction to the fundamental properties of liquids and their applications.

Measurements made:

Measurement of the density and density of a liquid using a universal hydrometer

Measurement of the viscosity of a liquid by falling ball

Measurement of the density and density of a liquid using a pycnometer

Observation of the capillarity effect between two flat plates

Measurement of the capillarity effect in a tube

Archimedes principle

Measuring atmospheric pressure with an aneroid barometer

Technical specifications:

Components mounted on a PVC support

2 tubes for hydrometer:  $\text{Ø}50 \times 450 \text{ mm}$

Universal hydrometer 0.01 to 2 g / cm<sup>3</sup>

2 tubes for drop ball viscometer

3 steel balls for viscometer, diameters: 1,588 / 2,381 / 3,175 mm

Thermometer -10 to +50 ° C

Aneroid barometer 910 to 1,060 mbar

6 capillary tubes 150 mm, diameters: 0.4 / 0.6 / 0.8 / 1.2 / 1.7 / 2.2 mm

Pycnometer 50 ml

Double scale: 0 to 250 g ( $\pm 1\text{g}$ ) and 0 to 1 kg ( $\pm 10\text{g}$ )

Dimensions (HxWxD): 503 x 600 x 160 mm

Gross weight: 25 kg

Pascal's apparatus

Flail with sliding weight and spirit level to measure the force at the base of the container

Three glass containers of the same section at the base are delivered: cylindrical, conical and tapered

Flexible membrane retained by O-ring for easy replacement

Height adjustable mark to fill all containers at the same height.

## Naugralabequipments

**Website:** www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003