

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: Ø50 x 450 mm

Universal hydrometer 0.01 to 2 g / cm³

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 (± 1g) and 0 to 1 kg (± 10g)

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.

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