Product name:	Product code:
Fluid Properties Apparatus	Fluid00020



Description

Fluid Properties Apparatus

Technical specification

- Universal hydrometer with varying resolution of 0.01 at 0.70 SG to 0.5 at 2.00 SG
- 2x Falling sphere viscometer tubes 40 mm diameter with calibration marks at 0, 25, 100, 175, 200 and 220 mm
- Spirit filled thermometer glass, Range -10^{o} to 50^{o} C
- Aneroid barometer, Range 910 to 1060 mbar
- 6x Capillary tubes 150 mm long with 0.4, 0.6, 0.8, 1.2, 1.7 and 2.2 mm bore
- Density bottle (pycnometer), Capacity 50 ml
- Dual scale lever balance, Ranges 0 to 250 gms x 1gm and 0 to 1 kg x 10 gms

Technical Details

The following components are included:

- 2x Hydrometer jars (clipped to stand)
- 1x Universal hydrometer (in protective housing)
- 2x Falling sphere viscometer tubes (clipped to stand)
- 1x Plastic storage box containing steel spheres
- 1x Spirit filled glass thermometer (in protective housing)
- 1x Direct reading aneroid barometer (fixed to stand)
- 1x Parallel plate capillary apparatus
- 1x Capillary tube apparatus with 6 tubes of varying size
- 1x Archimedes apparatus comprising displacement vessel, machined bucket & matching cylinder
- 1x 50 ml density bottle
- 1x 250 ml plastic measuring cylinder
- 1x 600 ml glass beaker
- 1x Dual scale lever balance, adapted for use with Archimedes apparatus

Fluid Properties Apparatus Fluid Properties Apparatus

A clear understanding about the physical properties of fluids is essential before studying the behaviour of fluids in static or dynamic applications.

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

This apparatus introduces students to the following properties of fluids:

- Density and relative density (specific gravity)
- Viscosity
- Capillarity - capillary elevation between flat plates and in circular tubes
- Buoyancy (Archimedes principle)
- Atmospheric pressure

Specification:-

Components stored on support frame manufactured from PVC

- 2x Hydrometer jars 50 mm diameter and 450 mm high