

Product Name :

Fluid Properties and Hydrostatics Bench

Product Code :

SLE/MCE/41



Description :

Features:

- A pipe section and various pressure measuring devices are fitted to a laboratory trolley with a demonstration panel, working area and cabinet.
- Various measuring containers are integrated into the pipe section.
- The sealed water circuit and pump with supply tank permit experiments to be performed independent of a mains water connection.
- Experimental apparatus are included in the cabinet, e.g. a device for determining the center of pressure of a column of water.
- This enables the pressure on a weir to be determined, amongst other aspects.

Specification:

- **Submersible pump:** 0.22kW
- **Volumetric flow rate:** 95Ltr/min
- **Head:** 12.5m
- **U-Tube manometer:** 0..500mmWC
- **Two hydrometer jars:** 450 x 50 mm.
- **Hg U-tube manometer:** 270..0..270mbar
- **Aneroid barometer, range:** 973 – 1047 mbar.
- **Thermometer with a range between:** -10 and 50oC.
- **Pycnometer :** 50 ml.
- **Dimension:** 1000-x800 x 1400 mm
- **Weight:** 120kg
- Archimedes module: displacement vessel, bucket and cylinder.
- **Capillary tubes module with tubes of different size:** 5 mm, 4 mm, 3 mm, 2.2 mm, 1.7 mm and 1.2 mm.
- **Two falling sphere viscometer tubes:** 300 x 40 mm, with marks at 0, 25, 175, 200 and 220.
- **Set of stainless steel balls of different sizes:** 3.175 mm, 2.381 mm and 1.588 mm
- Parallel plates capillary module.
- Variable scale lever balance to be used with the Archimedes module, up to 310 gr.

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