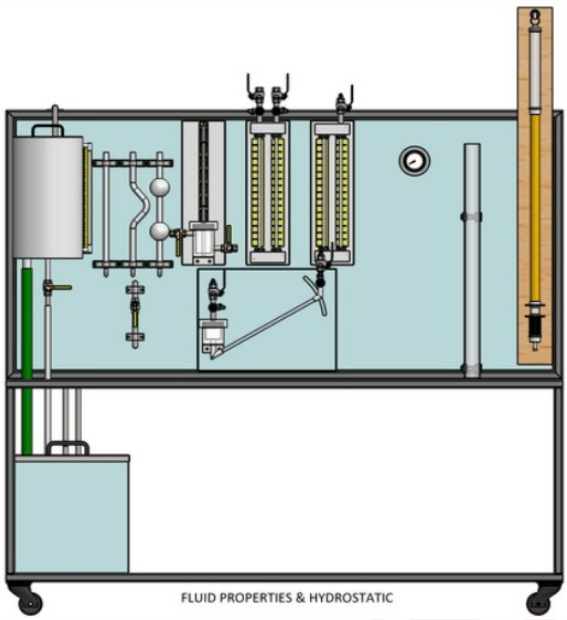

DESCRIPTION:
The bench is designed to study the properties of fluids in static conditions and it allows to understand and deepen a wide range of fundamental principles of hydrostatics.

Technical Details:

- Structure and worktop with stainless steel tank
- Water tank in stainless steel 55 liters
- Measuring tank 35 liters
- Hydrometer0.7 - 2.0 g / ml, 0.01 ml division
- Ball Viscometer
- Containers for the study of communicating vessels
- Depth gauge
- Apparatus for Pascal
- Apparatus for the observation of a glass capillary parallel
- Apparatus for the study of phenomena capillary tube
- Hydrostatic balance
- Graduated cylinder
- Thermometer
- Air pump
- Water circulation pump 0.5 hp
- Beaker
- Stopwatch.
- Water flow sensor for measuring discharge
- Pressure sensor for level measurement
- Data acquisition system for connection to PC with USB connection
- Software for data analysis.
- An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.
- The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

Experiment:

- To study the operation of :
- Density, specific gravity and viscosity
- Capillarity
- The principle of communicating vessels
- Liquid level measurement
- The relationship between pressure and depth of the liquid
- Determination of the center of pressure
- Measurement of the pressure with a manometer
- Calibration of a Bourdon gauge
- Principle of Archimedes
- Metacentric height

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.