

GENERAL EXPLANATION

This training device is designed to teach the center and amount of water pressure acting on a body that is half or fully submerged from the fluid mechanics.

EXPERIMENTS

1. The presence of a hydrostatic pressure center of a partially submerged body
2. The presence of hydrostatic pressure center of a fully submerged body

PACKAGE INCLUDED

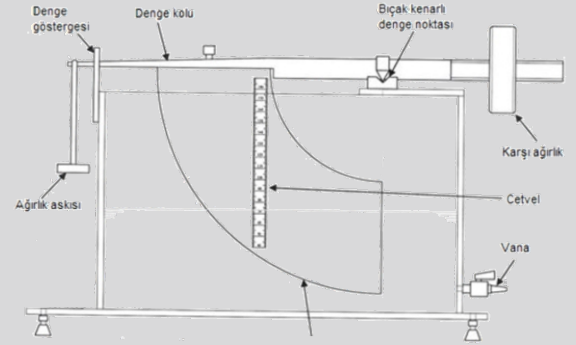
Device, device cover, 1 printed experiment report, circuit diagram and product catalog

DIMENSIONS

A x B x H : 500 x 300 x 200 mm

TECHNICAL SPECIFICATION

The weight on the shaft is balanced and the total moment becomes zero. It then varies with the total moment water effect such that the desired amount of water into the transparent tank is filled. The balance is restored by adding weight to the weight strap. When the torque is calculated with the added weight, the force applied by the water, pressure and the location of the pressure center can be found.



TECHNICAL DETAILS

- Transparent tank
- Relief valve
- Stainless steel shaft
- Aluminum knife edge balance arm
- Corrugated weight set