



Tesca Metacentric Height Apparatus demonstrates the metacentric height of a floating body and the height variation is used with Hydraulic Bench 32096 or a separately supplied bowl. The equipment consists of a rectangular pontoon. The centre of gravity of the pontoon can be moved sideways by moving horizontal jockey weight. The angle of the tilt of the a pontoon is indicated by a plumb bob on a scale attached. The centre of gravity of the pontoon can also be moved vertically by means of adjustable vertical weights on the mast.

Important Specifications:

1. Open Tank: Made of Acrylic, for water storage. Size: 380 mm X 480 mm x 300 mm (W X B X H)
2. Floating Body: Made of non-corrosive transparent Acrylic material, used as floating body (Ship). Plumb, protector, weights & counterweights and mounted on this ship
3. Size of Floating Body: 300 mm X 300 mm x 270 mm (W X B X H)
4. Horizontal scale graduation: 1mm
5. Mast Height: 400mm with 1mm graduation
6. Counter Weights: Mounted on floating body, made of non-corrosive aluminum material, for making ship horizontal of floating body.
7. Protector: To determine the angle of tilt of ship from its axis, protractor is attached on the ship.
8. Plumb: Made of Stainless Steel, fitted at center of protector for vertical downward line.
9. Jockey weight: Made of Aluminum & copper, to provide imbalance of system. Two set of pan, each of 50 g and a set of 8 discs each weighing 50 g is supplied.

Services Required:

Water supply and drainage.

Overall Dimensions

380X480X300mm.

Instruction Materials

The manual describing the theoretical and practical aspects of the apparatus, operation, analysis of results, and sample of results will be supplied with the equipment.

Note: Specifications are subject to change.

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