

**Product Name :**  
Metacentric Height Apparatus

**Product Code :**  
NLAB-ENGINEERINGLB20006



**Description :**

Metacentric Height Apparatus

**Technical Specification :**

**DESCRIPTION:-**

The unit consists of a small tank. Water is poured in it; so that a small ship model can float over it .The ship model is provided with a horizontal guide bar over which a small weight can be slid. Displacement of weight is measured with a scale. A pointer is attached at the centre of ship. When the weight is slide the ship tilts. The angle of tilt is measured by displacement of pointer & from then the metacentric height of ship can be studied.

**SPECIFICATIONS:-**

- Water tank with fibber lining inside.
- Ship model with a horizontal guide bar for sliding weight & pointer hung from a hook.
- Scales for measuring displacement of sliding weight & pointer.
- Distances from centre of ship (X) = 50mm,100mm,140mm,205mm
- Weight of the ship Model( $W_c$ ) = 8500 gm = 0.083385 kN

- Weights provided with Ship = 100 gm, 250gm, 500gm

SERVICE REQUIRED:-

- Suitable Water supply.
- Suitable floor space to mount apparatus.

## Naugralabequipments

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