

**STABILITY OF FLOATING BODY**

**MODEL: FM11-G**



**FEATURES**

- Compact, comprehensive, sturdy design

**DESCRIPTION**

The equipment is used to study and observe the various states of equilibrium attained by a floating body when its centre of gravity is displaced, leading to the determination of the Metacentric height of the floating body and hence illustrating the floatation characteristics.

### INSTRUCTION MANUAL

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Self-explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

### LIST OF EXPERIMENT

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- Determination of the Metacentric height of a floating body.
- Comparison of actual results with theoretical predictions

### COMPONENTS

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- Open Tank See model selection chart
- Floating Body
- Counter Weight
- Jockey Weight
- Angle of tilt measuring arrangement
- Scale
- Levelling screw

### SERVICES REQUIRED

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- Water

### OPTIONAL ADDITIONAL

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- Cargo-ship arrangement

### MODEL SELECTION CHART

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- FM11G-A: Material of Construction: Transparent Acrylic
- FM11G-B: Material of Construction: MS Tank
- FM11G-C: Material of Construction: SS Tank and Ship

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- (1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- (2) Photographs are indicative only