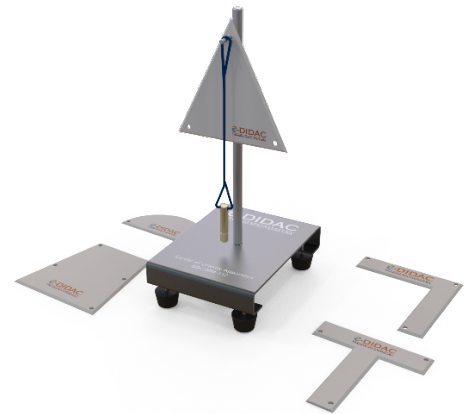


## Center of Gravity Apparatus (EDC-MM-112)

### EXPERIMENTAL DATA:

- To experimentally determine the position of the centre of gravity of several different shapes.
- Compare experimental results from calculations



### DESCRIPTION:

This center of gravity apparatus allows students to experimentally determine the center of gravity of various complex shapes of uniform thickness. This experimental method allows for a much easier method of determining COG than calculus. A free-standing rod which allows to hang various shapes. A simple bob suspended from the pin enables the line of action of the weight. The centre of gravity is the position on the shape where two or more such lines intersect. 5 different shapes are provided, each having a number of holes in their profile. This allows for the shapes to be suspended at different points, and the lines of action drawn.

The point of intersection of lines will be COG of that specific shape object.

### TECHNICAL DATA:

- 1 x Rod 300mm
- 1 x Trapezium shape (4 holes)
- 1 x 'L' shape (3 holes)
- 1 x semi-circle shape (3 holes)
- 1 x triangle shape (3 holes)
- 1 x 'T' shape (3 holes)

### RELATED LAWS:

- Centre of Gravity
- Lines of action
- Equilibrium
- Moments

### SCOPE OF DELIVERY:

- 1 x EDC-MM-112
- 1 x Plumb bob
- 5 x Specimen
- 1 x Spare Cord
- 1 x Instructional Manual

### DIMENSIONS AND WEIGHT:

L x W x H (mm): 200 x 150 x 300

Weight Approx.: 6 kg