

**FIND THE DOWNWARD FORCE,
ALONG AN INCLINED PLANE, ACTING
ON A ROLLER DUE TO GRAVITY
OMEGA TYPE ES-429**



OMEGA TYPE ES-429 Experimental Set Up has been designed specifically to find the downward force, along an inclined plane, acting on a roller due to gravity and study its relationship with the angle of inclination by plotting graph between force and $\sin \theta$.

The set-up is absolutely self-contained and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT: TO FIND THE DOWNWARD FORCE, ALONG AN INCLINED PLANE, ACTING ON A ROLLER DUE TO GRAVITY AND STUDY ITS RELATIONSHIP WITH THE ANGLE OF INCLINATION BY PLOTTING GRAPH BETWEEN FORCE AND $\sin \theta$.

FEATURES

- 01 Inclined plane laminated fitted with frictionless pulley size 700X100X18 mm
- 02 Horizontal plane laminated fitted with Protractor size 600X100x18 mm
- 03 Slotted Wight Iron N.P. with hanger: 10 + 10, 20, 20, 50 Total 110 gm.
- 04 Thread about 3 Meter.
- 05 Steel Pan Size 50 mm
- 06 Spring Balance to weight up to 500 gm.
- 07 Iron Roller with clip
- 08 Sprit Level 5 cm Brass
- 09 Wooden Block Size 50x50x100mm
- 10 Weight 4 Kg. (Approx.)
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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