



GOVERNMENT ENGINEERING COLLEGE, DAMAN
DEPARTMENT OF CIVIL ENGINEERING
ENGINEERING MECHANICS LABORATORY

REBOUND HAMMER TEST



Basic Details: -

1. Conforms to: ASTM C-805, BS-1881-202, IS 13311 Part 1
2. Operating temperature: 0°C to 50°C (32° to 122° F)
3. Approximate weight: 1.6 kg (3.5 lbs.)
4. Weight: 1.6 kg
5. Temperature: 0°C to 50°C
6. Interface: RS-232



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ULTRA-SONIC PULSE VELOCITY



Basic Details: -

1. Size W- 290mm x H-110mm x D-220mm.
2. Power Consumption 7 Watts
3. Battery Operating Capacity 8 Hrs Maximum
4. Frequency of Transducers 54 KHz
5. Time Base 10MHz Quartz
6. Brand Canopus Instrument



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Two Hinged Arches



Basic Details: -

1. Apparatus has a span of 100cm and rise 25cm.
2. Both ends should have hinge but one of the ends should also be free to move longitudinally.
3. A lower arrangement fitted at this end for the application of known horizontal inward force for measuring the horizontal thrust.
4. Along the horizontal span of the arch various points are marked at equidistant for the application of load. This being a statically indeterminate structure of the first degree.
5. A dial gauge with 25mm travel (with magnetic base) will be supplied with the apparatus. Mild steel apparatus will complete with a supporting stand and a set of weights.



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DEFLECTION OF BEAM APPARATUS



Basic Details: -

1. Dial gauge Stand Magnetic for rigid support
2. Dial gauge 0-10 mm scale, 0.1 mm least count
3. Beam material as per requirement
4. Beam Size 5mm Thick x 1 m long
5. Application Laboratory



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DEFLECTION OF BEAM APPARATUS



Basic Details: -

1. Usage For Industrial Use
2. Material Mild Steel
3. Colour Silver & Blue
4. Equipment Materials Behaviour & Buckling Apparatus
5. Type Apparatus
6. Supply Ability: 10 Unit Per Week