WOOD FLEXURE TESTING DEVICE (Manual)

Code : U009



- Used for testing the bending strength and flexibility of wooden specimens, such as beams, planks, or panels. Specifically, this machine is ideal for determining the mechanical properties of wood, which are essential in construction, furniture manufacturing, and material selection.
- **Test Bending Strength:** The primary use of this tester is to measure how much force a wood specimen can withstand before it bends or breaks. The bending strength is calculated based on the load applied and the displacement of the specimen.
- **Evaluate Material Performance:** It can be used to assess the suitability of wood materials for various applications, such as in structural components (e.g., beams and floors) or for furniture manufacturing, ensuring they meet relevant standards for strength and durability.
- **Conduct Quality Control:** You can use the tester to ensure consistency and quality in wood products, ensuring that the material's strength aligns with required specifications for manufacturing or construction purposes.

- **Conduct Research:** This machine can also be used in research settings for studying the mechanical properties of different types of wood or wood composites, helping to develop new materials or improve existing ones.
- By using this machine, operators can assess the bending strength of wooden samples (25 x 50 x 500 mm) under different load conditions, which is crucial for ensuring the durability and safety of wood-based products.

TECHNICAL SPECIFICATIONS

- Loading: Manual Loading by Jack
- Capacity: 10 kN (1 ton)
- Digital Indicator:
  - Touch Screen
  - Tare Function
  - Calibration (Password-Protected)
  - Gives Max. Force (in Netwon / kN / kgf / lbf)
  - Bending Strength is to be calculated by operator
- Thermal Printer
- 4-Point Flexural Frame with support distances 450 mm and 150 mm
- Can be used with 25 x 50 x 500 mm wood specimens

ORDERING INFORMATION

Item Name	Item Code
WOOD FLEXURE TESTING EQUIPMENT	U009M001H

OTHER PHOTOS

