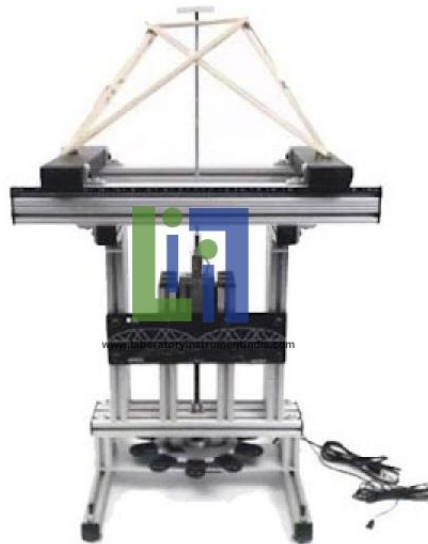




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Assembly Project Materials Tester

**Product Code :**  
LBNY-0005-10100050



#### **Description :**

The test force is displayed using a large dial gauge indicator. The elongation of the test specimen is recorded on a dial gauge. Students can develop skills in the carrying out of complex project work. The fully assembled system presents an actual fully functional materials tester which can be used for a wide range of materials testing. The test force is generated using a hand-operated hydraulic system. The skills acquired are the planning, execution and checking of assembly, commissioning, and maintenance operations. Is supplied in kit form. In the course of the project they independently develop an appreciation for the fundamentals and correlations involved, and then contribute to the overall outcome using team working skills. The kit contains all the mechanical components, measuring devices, hydraulic components complete with sealing elements, and piping material complete with all connecting elements.

#### **Technical Specification :**

Force generation using hand-operated hydraulic system, no power supply necessary  
Cross-member frame with ground steel pillars, compressive and tensile force can be generated  
Assembly project for training in the metalworking trades  
Complete set of parts for a universal materials tester  
Hydraulic assembly of 2 cylinders  
Precise pillar guide located in linear ball bearings.

#### **Technical Data:**

Space available for test specimens: 165x65mm  
Dynamometer: 0...20kN, graduations: 0,5kN  
Displacement gauge: 0...20mm, graduations: 0,01mm

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Max. stroke: 45mm  
Max. test force: 20kN  
Tensile specimens: B6x30  
Test sphere diameter for Brinell test: D=10mm  
Dimensions and Weight:  
l x w x h: 610x520x850mm (assembled)  
Weight: approx. 51kg.



**Laboratory Instrument India**