

# TENSILE TESTER KIT

ES6

Demonstrates the principles of tensile tests on specimens of different materials.



## LEARNING OUTCOMES:

- Tensile tests (to destruction) of different materials
- Finding the tensile strength of a material
- Material behaviour in the elastic and plastic region
- Creating a force and extension chart

## SPECIAL OFFER

### MATERIALS TESTING BUNDLE (ESB2)

This experiment bundle includes:

- Deflection of Beams Kit (ES4)
- Torsion of Circular Sections Kit (ES5)
- Tensile Tester Kit (ES6)
- Spring Tester Kit (ES19)
- Four Engineering Science Work Panels (ES1)

This kit includes a cased tensile tester with specimens of different materials for students to stretch specimens to destruction, while measuring the extension and force.

### ESSENTIAL BASE UNIT:

- Work Panel (ES1) 8

### RECOMMENDED ANCILLARIES:

- Tensile Test Specimens (MTT) 28

### ALTERNATIVE PRODUCTS:

- Universal Testing Machine (SM1000) 163
- Bench-top Tensile Testing Machine (SM1002) 161
- Materials Laboratory with Data Capture (MF40 MkII) 166