

**Product Name :**  
Creep Testing Machine**Product Code :**  
ELAB-MTE0003 LAB ENGINEERING**Description :**

Creep Testing Machine

**Technical Specification :**

This simple machine uses specimens of lead and different plastics which creep significantly at room temperature and under low loads.

Its main part is a simple lever (load beam) with a mechanical advantage of 8:1.

The load beam gives a steady and uniform tensile load.

A digital indicator measures the extension (creep) of the specimen under load.

For effect-of-temperature tests, the student freezes or heats a cool-pack and places it next to the specimen.

To ensure correct loading of the specimen, the load beam has a ball-bearing pivot.

To apply a load, students add weights to a weight hanger and measure time and the creep.

They then fit the transparent enclosure to preserve the temperature around the specimen during the test.

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