

Product Name :
Creep Testing Machine

Product Code :
ENGLABINGCAG2800003



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.