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Product Name :

Creep Testing Machine

Product Code :

SLE/MCE/18



Description :

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.
- For effect-of-temperature tests, the student freezes or heats a cool-pack and places it next to the specimen.
- They then fit the transparent enclosure to preserve the temperature around the specimen during the test.
- A digital indicator measures the extension (creep) of the specimen under load.
- 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.