

Dynamometer Types

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- **1** Absorption Dynamometer: are widely used to measure engine power; and engine power is dissipated to heat in such devices.
 - Mechanical dynamometer: depends of dry friction to convert mechanical power into heat, e.g. Prony brake.
 - Hydraulic dynamometer: uses fluid friction for dissipating mechanical power.
 - Eddy-current dynamometer: requires an electrically conductive core, shaft, or disc moving across a magnetic field to produce resistance to movement.
 - Alternating Current and DC Generators: Cradled AC and DC machines are employed as power absorbing elements in dynamometers. The power produced in such dynamometers may be dissipated as thermal energy using resistive loads.
- 2 Transmission Dynamometer: passive devices placed at appropriate location within a machine or between the machines, simply for the sensing of the torque at that location.

IC Engine Testing

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