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**Product Name :**

Potential And Energy Kit

**Product Code :**

SLE/ETP/25



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## Description :

**Potential And Energy Kit** (Product Code: SLE/ETP/25) is an engineering science kit containinga pendulum, a spring and a flywheel, used to study potential and kinetic energy and the transferof energy from one form to another in school and college labs. Students and lecturers mount itsparts on the Work Panel, and the kit introduces terms such as moment of inertia and elasticpotential energy. It is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

### Key Details

| Parameter | Detail |
|---|---|
| Kit parts | A pendulum, a spring and a flywheel |
| Topics | Difference between potential and kinetic energy; transfer of energy from one form to another |
| Engineering terms introduced | Moment of inertia, elastic potential energy |
| Mounting | Parts fit to the Engineering Science Work Panel |
| Range | Part of a series of kits that allows many experiments using different arrangements of their parts |
| Product code | SLE/ETP/25 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

### What Is the Potential And Energy Kit Used For?

Each part isolates one kind of energy store. Raising the pendulum bob gives it gravitational potential energy that turns into kinetic energy at the bottom of the swing and back again; stretching or compressing the spring stores elastic potential energy that is released as motion; and the spinning flywheel shows that a rotating body carries kinetic energy whose size depends on its moment of inertia.

Working through the three parts in one session lets students compare how energy is stored and passed on, which is the core idea behind a flywheel experiment or a moment of inertia kit in any mechanics syllabus. Fix the Work Panel firmly to the bench before starting, keep fingers and loose sleeves clear of the flywheel while it spins, and repeat each observation so the class can discuss losses to friction.

### OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, builds the Potential And Energy Kit as the original equipment manufacturer at its own licensed factory in Saha, Ambala, Haryana, India. Schools and colleges therefore deal with the company that makes the kit, and dealers and importers are supplied factory-direct rather than through a trading intermediary. If a spring
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