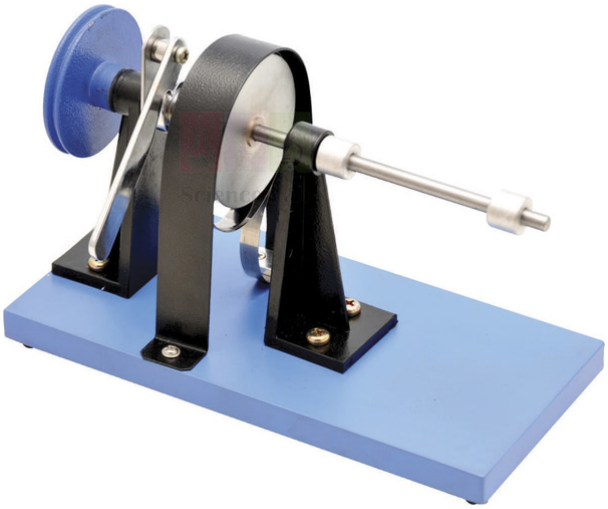
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Spring Unit

Product Code :

SLE/PHY/302



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Spring Unit (Product Code: SLE/PHY/302) is an energy-transfer module used to show how potential energy stored in a wound-up clock spring is converted into electrical energy in school physics lessons. Part of the Energy Transfer Kit, it has a clock spring, free-wheel, winding ratchet and 56 mm aluminium V pulley on a steel shaft, on a 165 x 100 mm base. This physics demonstration kit unit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Energy conversion shown	Potential energy in a wound-up spring to electrical energy
Spring	Clock spring carried on a steel shaft
Mechanism	Free-wheel device and winding ratchet
Pulley	Aluminium V pulley, 56 mm diameter
Base size	165 x 100 mm (common to all Energy Transfer Kit units)
Kit connections	Energy Transfer Kit units have 4 mm socket terminals where appropriate
Included	Driving belt
Second use	Winding a weight on a cord to show potential-to-kinetic energy changes
Product code	SLE/PHY/302
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Spring Unit Used For?

Students wind the clock spring with the ratchet, storing elastic potential energy, and then release it so the free-wheel lets the spring turn the shaft and pulley. With the driving belt linking the pulley to another unit of the Energy Transfer Kit, the stored energy ends up as electrical energy, and the class can trace each step of the chain from spring to belt to output. Because every unit shares the same 165 x 100 mm base, the modules sit neatly in a row on the bench.

The unit also works on its own: attach a cord to the pulley and let the spring wind a small weight upward. The raised weight gains potential energy, which turns into kinetic energy as it falls and can be stored again when it is wound back up. Wind the spring gradually rather than forcing it, and keep the belt at moderate tension so it does not slip or strain the shaft.

What to Specify When Ordering

- How many Spring Units you need per lab group
-
-

OEM

Email : sales@scilabexport.com
Phone: +91-7082934803