



THE LAB EQUIPMENT

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**Product Name :**

Stirling Engine

**Product Code :**

SLE/H/01



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## Description :

To reverse engine's direction, use ice water.

Rotate the flywheel by hand.

Avoid rough handling.

Made of durable stainless steel, this stylish and affordable low-temperature differential unit demonstrates how heat engines convert heat energy into mechanical work.

A classic demonstration of thermodynamics for middle school. Overall height, about 5-3/4".

Includes instructions; hot and cold source and cup are needed but not supplied.

Heat source should not exceed 100° C and cold source should not be below ?20° C.

This is a delicate instrument and the connections between the flywheel and pistons can be damaged.

### **To ensure that the engine works well, perform the following 2 steps before each experiment:**

- The flywheel, connecting rods, and pistons should move freely and without resistance.
- Check that the connecting rods are properly seated. Linkages to the piston should move freely.

**Flywheel diameter:** 3-1/2" (9 cm)

**Unit height:** 5-3/4" (14.5 cm)

**Unit weight:** 7.6 oz (216 g)

**Displacement cylinder diameter:** 3-1/2" (9 cm)