Email : sales@scilabexport.com
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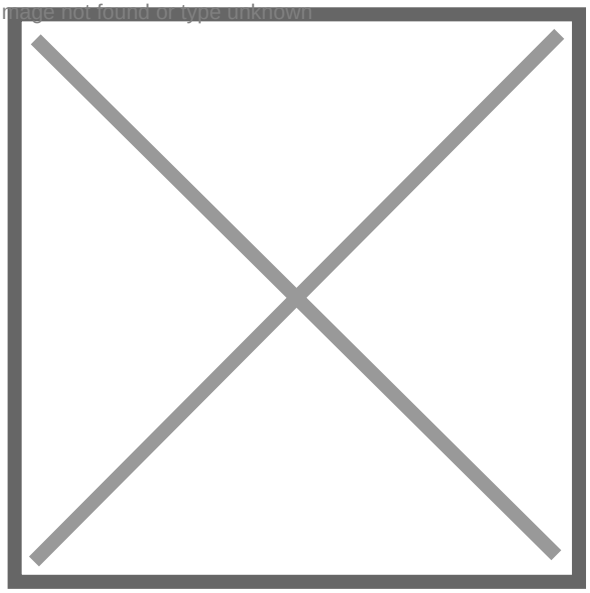
**Product Name :**

Solar Furnace

**Product Code :**

SCI-174/024

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## Description :

**Solar Furnace** (Product Code: SCI-174/024) is a parabolic-mirror demonstration apparatus used to show the high temperatures that concentrated sunlight can produce, as an alternative method of heating, in school and college science labs. A 305 mm diameter aluminised mirror focuses sunlight onto a matt black copper receiver that can rapidly boil water in clear sunlight. The apparatus is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Mirror | Rear-aluminised parabolic mirror |
| Mirror diameter | 305 mm |
| Focal length | 185 mm |
| Receiver | Matt black copper receiver vessel, carried on an arm at the focal point |
| Performance | In clear sunlight, rapidly boils water or melts many fusible substances placed in the receiver |
| Supplied as | Self-assembly form, with stand and full assembly/operating notes |
| Product code | SCI-174/024 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is a Solar Furnace Used For?

A solar furnace makes the power of concentrated sunlight visible. The parabolic mirror collects light over its whole face and reflects it to a single focal point, where the matt black copper receiver absorbs it and passes the heat to whatever is inside. Students can time how long a measured amount of water takes to boil, or watch low-melting substances turn liquid, and compare the result with ordinary heating methods.

Set the furnace up outdoors on a clear day and turn the mirror so it faces the sun squarely, adjusting it as the sun moves. The focal region becomes very hot: never look into the mirror or the reflected beam, keep hands and paper away from the focus, and handle the receiver with tongs or heat-resistant gloves. It pairs naturally with a solar energy science kit when teaching both the heating and electrical uses of sunlight.

### Supplier

Jain Scientific Equipments Private Limited, known to buyers as ScienceLab, supplies this solar furnace from Ambala, Haryana, India, in self-assembly form with its stand and notes. Schools, colleges, dealers and importers in India and international markets can raise questions about assembly, extra units for a second lab or replacement parts with us when they enquire. Visit our profile.

### Rela

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