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

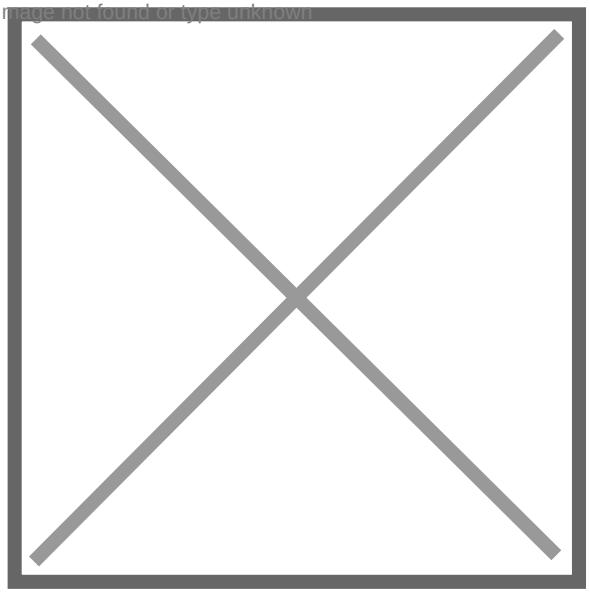
Product Name :

BI-metallic Sheet

Product Code :

SCL-328/062

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Science Lab

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Phone: +91-7082934803

Description :

BI-metallic Sheet (Product Code: SCL-328/062) is a plain square sheet of iron and brass joined together, used to demonstrate the unequal thermal expansion of metals in school physics laboratories. When it is heated, the brass expands more than the iron and the sheet bends, the principle behind thermostats and fire alarms. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer and physics instruments supplier in India, at its own factory in Ambala, and supplied as physics lab equipment to schools at home and abroad.

Specifications

Parameter	Detail
Type	Bi-metallic sheet
Materials	Iron and brass
Shape	Square
Pattern	Plain
Product code	SCL-328/062
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Bimetallic Sheet Used For?

Held with tongs and warmed over a flame, the sheet curls with the brass on the outside of the curve because brass expands more than iron for the same rise in temperature; on cooling it returns towards flat. Students see directly that different metals expand by different amounts, and can link the effect to thermostats, fire alarms and flasher switches that use a bimetallic strip to open or close a contact.

Heat the sheet evenly and briefly, hold it only with tongs or an insulated holder, and let it cool on a heatproof surface. Asking the class to predict the direction of bending before revealing which face is brass turns the demonstration into a quick reasoning exercise.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, makes the BI-metallic Sheet as the OEM at its own licensed factory at Saha, Ambala, Haryana, India. Schools, colleges and importers buy it straight from the manufacturer with the rest of their heat apparatus, and repeat or replacement pieces are handled by the same team; ask us for details. See the ScienceLab company profile.

Related Physics Lab Equipment

Items used with the bimetallic sheet in expansion demonstrations:

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