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Product Name :

Bimetallic Strip

Product Code :

SLE/PHY/138



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Description :

Bimetallic Strip (Product Code: SLE/PHY/138) is a brass-and-steel strip used to demonstratethe unequal expansion of two metals, which makes the strip curve when it is heated in a flame, in school and college physics labs. The 200 x 15 mm strip is riveted with heat-resistant rivets andset in a well-finished wooden handle for safe holding. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Strip size	200 x 15 mm
Metals	Brass and steel
Joining	Riveted together with heat-resistant rivets
Handle	Well-finished wooden handle
Demonstrates	Differential expansion of two metals, shown by the curvature produced when the strip is heated in a flame
Product code	SLE/PHY/138
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is a Bimetallic Strip Used For?

Held in a Bunsen or spirit-lamp flame, the bimetallic strip curls because brass expands more than steel for the same rise in temperature, so the brass ends up on the outside of the curve. Students can then predict how it will bend when chilled instead, and check that it curves the opposite way.

The same effect is the working principle of thermostats, fire alarms and flashing indicator units, which makes the strip a useful bridge between physics lab equipment in India syllabuses and everyday devices. Heat the strip evenly along its length, keep the wooden handle well clear of the flame, and let the metal cool naturally before it goes back into storage.

OEM Manufacturer

Jain Scientific Equipments Private Limited, better known by its trading name ScienceLab, makes this Bimetallic Strip as the OEM at its own licensed factory at Saha, Ambala, Haryana, India. Because the strip comes straight from the maker, institutions, dealers and importers get factory-direct quotations and can ask us about repeat batches for several labs at once. See the company profile for background.

Related Physics Lab Equipment

Other apparatus for the thermal expansion topic:

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