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Product Name :

Metal Strips Set

Product Code :

SLE/EM/06



Science Lab

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Description :

Metal Strips Set (Product Code: SLE/EM/06) puts five different metals side by side in one matched set: one strip each of aluminium, brass, copper, steel and zinc, all cut to the same 3/4 x 5-1/4 inch size. Because every strip has identical dimensions, any difference students observe — in cell voltage, in reaction with an acid or in how quickly it tarnishes — comes from the metal itself rather than from its shape. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, it is a low-cost addition to school physics lab equipment in India and to chemistry benches studying metals and electrochemistry.

Specifications

Parameter	Detail
Metals included	Aluminium, brass, copper, steel and zinc
Quantity	One strip of each metal
Strip size	3/4 x 5-1/4 inches (each strip)
Form	Flat strips, usable as electrodes or test samples

Typical Use

The most common use is building simple cells from two different strips dipped in an electrolyte such as salt water or dilute acid. Students swap pairs — zinc with copper, aluminium with copper, steel with zinc, and so on — read the voltage on a meter and rank the metals, arriving at their own version of the reactivity or electrochemical series. The same strips can be compared for their reaction with dilute acid, for their appearance after exposure to moist air, and as the two plates of a lamp-and-electrode conductivity test.

Clean the surface of each strip with fine abrasive paper before a voltage comparison, since oxide films change the readings. After contact with electrolytes, rinse the strips with water and dry them straight away; the steel strip in particular will rust if left damp. Used this way, the set becomes a flexible chemistry teaching kit for India's secondary syllabus, where the same five metals return in several chapters.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, an equipment maker based in Ambala, Haryana, that prepares sets like this one for school and college laboratories. Details of the company and its range are on our company profile.

Related Electricity Equipment

Useful companions for metal-strip cell and electrode experiments:

- Electrodes, Copper — a pack of 12 copper strips when every group needs its own copper electrode
- Student Voltaic Cell Set — a ready set for building simple voltaic cells

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