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Product Name :

Sonometer, Simple Pattern

Product Code :

SLE/PHY/297



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Description :

Sonometer, Simple Pattern (Product Code: SLE/PHY/297) is a two-wire sonometer used to investigate how length and tension set the pitch of a vibrating string in school and college physics laboratories. Each steel wire has its own 50 N spring balance and wrest pin on a 1140 mm wooden resonance box, so the two strings can be tensioned and compared side by side. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school physics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Resonance box	Wooden; 1140 mm long, 125 mm wide, 100 mm high
Tension measurement	Two 50 N spring balances with hooks at one end of the base
Wire anchorage	Two corresponding wrest pins at the other end
Wires supplied	Two steel wires, 30 swg, 1 metre long
Bridges	Three: one large bridge to span both wires and two small bridges for the individual wires
Product code	SLE/PHY/297
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Simple Sonometer Used For?

With two identical 30 swg wires, each on its own spring balance, this sonometer is well suited to comparison work. Students set one wire as a reference, then change the tension or the bridge spacing on the second until both sound in unison, which shows directly how frequency depends on tension and length. The large bridge spans both wires to give them the same vibrating length, while the two small bridges let each wire be adjusted independently.

It also covers the standard sonometer practicals: finding the frequency of a tuning fork by resonance with a paper rider, and plotting vibrating length against the reciprocal of frequency. Simple to set up and read, it is a practical choice of sonometer for Indian school and college labs running several groups at once. Tighten wires gradually with the wrest pins while watching the balance, stay within the 50 N scale, and slacken both wires before storage.

What to Specify When Ordering

- Number of Sonometer, Simple Pattern sets needed.
- Additional 30 swg steel wires as spares for restringing.
- Tuning fork sets to go with the sonometers.
- Delivery destination, whether within India or for export.

OEM Manufacturer

Scien e
origin e,
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