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

Product Name :

Tuning Fork

Product Code :

SCL1531/019



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Description :

Tuning Fork (Product Code: SCL1531/019) is an adjustable sound source: a U-shaped vibrator fixed on a wooden resonator box, with two slidable bodies on the vibrator that change its oscillation frequency across the instrument's range. It is calibrated to 7 frequencies, so one instrument can do much of the work that usually needs a tuning fork set in an Indian school physics room. Physics teachers use it to demonstrate pitch, resonance and the link betweenmass and frequency. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,and supplied with a rubber-tipped metal hammer.

Specifications

Parameter	Detail
Vibrator	U-shaped, fixed on the resonator box
Resonator	Wooden box
Frequency adjustment	Two slidable bodies on the vibrator modify the oscillation frequency within its range
Calibration	7 frequencies
Hammer	Metal, with handle and rubber-coated impact element

Typical Use

Strike one prong with the rubber-coated hammer and the wooden box amplifies the note so a whole class can hear it. Moving the two sliding bodies along the U-shaped vibrator shifts the pitch, which lets students hear directly how adding mass towards the prong tips lowers the frequency of a vibrating body. Setting the fork to each of its calibrated positions in turn gives a series of known notes for listening tests, for comparing with a second fork, or for tuning a string on a sonometer by ear.

Placed near the open end of a resonance tube, the fork also serves as the source in speed-of-sound experiments, making it a useful companion to a resonance tube experiment kit. Hold the instrument by its box rather than the prongs, strike firmly but never against the bench or a hard object, and damp the sound by touching the prongs lightly when the demonstration ends.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, an Ambala, Haryana manufacturer of acoustics, mechanics and electricity apparatus for teaching laboratories. Buyers who want to know more about the organisation behind the brand can read the company profile.

Related Lab Equipment

Sound and wave practicals often combine this fork with the apparatus below:

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