

Topic: Sonometer : A sonometer is an acoustical device/apparatus. It is specifically designed to study the behaviour of vibrating strings and to verify the laws of transverse vibrations. It is also known as a monochord, because it often consists of a single string or wire stretched over a hollow wooden sound-box.

A sonometer is an instrument used to demonstrate the ~~frequency~~ relationship between the frequency of a vibrating string and its physical properties like length, tension, and linear density (mass per unit length ( $m/l$ )).

It operates on the principle of resonance of sound.

The main purpose and use of sonometer is to determine the frequency of tuning forks, A.C mains frequency, and the density of wire or string materials.

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