

Experiment manual

Acoustics, Vibrations, Waves DEMO

Sound generation

AKD 1.01	Sound generation using the tuning fork
AKD 1.02	Recording vibration using the tuning fork with stylus
AKD 1.03	Measuring frequency at the tuning fork with stylus
AKD 1.06	Sound - a harmonic oscillation
AKD 1.07	Sound generation using the perforated disc
AKD 1.08	Sound generation using the Savart's Wheel
AKD 1.09	Pitch and volume
AKD 1.10	Sound level and volume
AKD 1.11	Audible range
AKD 1.12a	Measuring frequency using the counter
AKD 1.12b	Measuring frequency using the oscilloscope
AKD 1.14	Note - Sound - Noise - Bang

Sound propagation

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AKD 2.02	Sound propagation in air
AKD 2.03	Propagation of sound waves in air
AKD 2.04	Sound propagation in solid bodies
AKD 2.05	Sound propagation in a liquid
AKD 2.06	(Interruption of) sound propagation in a vacuum
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AKD 2.09b	Determination of the speed of sound in warm air (in the tube)
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Vibrating string and air

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AKD 3.05	Overtone determine the timbre
AKD 3.06	Open lip whistle
AKD 3.07	Covered lip whistle

Standing waves

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Resonance - Reflection

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Waves, Interference

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Ripple tank

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Wave machine

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