

Product Information Sheet

Sound Sensor



Our range of science experiment kits will equip you with all you need to carry out each of the practical experiments included in your LJ Create science program.

The kits can be used for teacher demonstration, individual student, or group activities.

The Data Logging equipment has been produced for ease of use in a wide range of science and technology applications.

Dual range sensor that accurately measures sound pressure level in decibels (dBA) or waveform (mV).

To make the measurements meaningful to learners, the sensor has been designed to approximate the normal human ear in the range and intensity that it 'hears' sounds. Use a pair of sensors to measure speed of sound in air and solids.

The sensor can be used in a range of teaching applications, including:

- Frequency of sound
- Speed of sound
- Sound insulation
- Decay of sound with distance
- Frequency, wavelength, amplitude of sound waves

Sensor Specifications:

- Sound pressure level: Range: 40 to 110dB, Resolution: 0.1dB, Response Time: 125ms
- Frequency content: Range: ± 2000 mV, Resolution: 1mV, Frequency response: 100Hz to 7kHz

Examples of some extension and advanced ideas include:

- Ears
- Biometrics
- Effect of sampling rate on sound quality

Items Included:

- Sound Level Sensor

Other Items Required:

Data logger (520-01)
LJ Create Science Content and Computer

General Information:

Packed Volume: Approx. 0.0001 m³
Packed Weight: Approx. 0.1 kg

Order Code: 520-08

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For more information visit www.ljcreate.com