LTS2060 Cardio Microphone Sensor
Lt Sensors Series

Description
The Lt Sensors Cardio Microphone Sensor converts heart sounds into electrical signals.

Operation
The Cardio Microphone contains an electret (condenser) microphone device. It converts mechanical vibrations at the body surface into electrical signals suitable for recording.

Firmly attach the Cardio Microphone to the chest with adhesive tape. Move the microphone into different positions until the best signal is obtained.

To use the Cardio Microphone Sensor, plug the sensor into the USB port of a laptop or desktop computer, with a Windows operating system. Alternatively, plug the sensor into a USB hub connected to that computer. A green LED on the connector housing indicates the transducer is receiving power and is ready for use.

Application
The Lt Sensor Cardio Microphone is suitable for recording heart sounds with frequencies in the range of 10 to 500 Hz. Heart sound measurements are used in the fields of Phonocardiography and Ballistocardiography.

Typical Data

Blood pressure measurement with Cardio Microphone to measure Korotkoff sounds
**Caution**
Read “Statement of Intended Use” on our website.

**Specifications**

- **Operating frequency:** 10 to 500 Hz
- **Dynamic range:** 0.01 to 10 m/s²
- **Variation in frequency response:** ±3%
- **Resonant frequency:** 3.4 kHz
- **Amplitude nonlinearity**
  - at 10 Hz: ±3%
- **Operating temperature:** 15 °C to 45 °C
- **Cable length:** 2m (6.5’)
- **Connector:** USB

All specifications were tested at the time of printing and are subject to change.

**Ordering Information**

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For use with:
- Laptop or desktop computer with Windows operating system

WARRANTY: 1 year as per ADInstruments warranty terms for Lt Sensors.